A. I. A. FILE No. 31-F-237

CORNING

T.M. REG. CORNING U.S. PAT. OFF.

T.M. REG. PYREX U.S. PAT. OFF.

LIGHTING GLASSWARE

GENERAL CATALOG
No. B-49

MACBETH-EVANS DIVISION
CORNING GLASS WORKS
CHARLEROI • • • PENNSYLVANIA

A. I. A. FILE No. 31-F-237

CORNING LIGHTING GLASSWARE

GENERAL CATALOG No. B-49

FIXTURE and ARCHITECTURAL LIGHTING GLASSWARE

"CORNING MEANS RESEARCH IN GLASS"

MACBETH-EVANS DIVISION

CORNING GLASS WORKS

CHARLEROI, PENNSYLVANIA

LIGHTING GLASSES

The glasses listed below which are sold under the CORNING trade-mark are the result of many years of "Research in Glass" and possess characteristics unique to particular types of service.

MONAX is the pioneer white diffusing glass for illuminating purposes. It is a homogeneous (unilayer) glass, highly diffusing in character and possesses maximum lighting efficiency. It has a permanent smooth, "pearl like" surface and is highly resistant to attack by weathering. MONAX is widely used for enclosing globes and other types of blown glassware.

ALBA is a homogeneous translucent glass of the alabaster type which has found wide application where medium diffusion and relatively high transmission of light are desired. The surface is smooth with a rich "silk like" texture. It is particularly adaptable for the manufacture of pressed ware.

CLEAR or CRYSTAL glasses used for the manufacture of illuminating ware are colorless glasses with high lustre and are extremely resistant to attack by weathering.

IVORIAN—Homogeneous diffusing glass of delicate ivory tone. Uniformity of color and evenness of diffusion are outstanding characteristics of this glass.

CHINEX—A new deep ivory glass especially developed for pressed ware. It is characterized by moderate transmission of warm ivory light and high reflection. Particularly desirable for residential lighting.

GLO-FLEC—A new glass of the opal type developed especially to meet the exacting specifications of I.E.S. reflectors. It has greater efficiency, higher reflectivity with lesser glass thickness, and is sold under the CORNING trade mark.

COLORED glasses offered in tubes and rods are transparent natural colored glasses. Full information regarding the properties of these various glasses are available upon request.

In addition to the standard illumination glasses listed above Heat Resisting Glasses for illuminating purposes are listed below. These glasses are sold under the PYREX trade-mark.

THE HEAT RESISTANT glasses used for the manufacture of illuminating ware are of special composition particularly adaptable for the purpose. These glasses have very low light absorption, are highly resistant to sudden temperature changes and to attack by weathering.

B-49-12-39
Litho in U.S.A.

PROCESSES OF DECORATION

The several kinds of illuminating glasses previously described are all adaptable to a variety of decorative treatments. Some may be deeply etched by acid or sand-blasted with designs ranging from simple lines to quite intricate patterns. In glasses suitable for deep etching, the application of colors or iridescent lustres may be combined to produce beautiful effects. Other glasses may be successfully used in the production of a lighter surface etching or a very light acid treatment which merely removes certain portions of applied color to form a particular decorative design.

When color is used in the processes just described it is usually fired on the surface of the glass prior to the etching treatment, but if applied after etching it is also fired on the glass; in fact, the successful use of applied color on glass necessitates firing at a temperature sufficiently high to cause the color to become a part of the glass and to insure not only permanency but indefinite maintenance of the original tones. Decorative motifs may be applied directly to the glass in color by a process of printing and filling-in which results in shading and toning effects not ordinarily obtained by etching. These colors are fired as described above.

Experienced decorators apply many designs by hand in color as well as with silver, gold, platinum and aluminum.

GENERAL SPECIFICATIONS AND LIMITATIONS

When planning the use of glass for illumination, it should be determined first whether or not it is practicable to obtain the desired results by available processes of manufacture, finish and decoration. What type of glass is best suited for the purpose? Can the color required be obtained either in the glass or by application? To approximately what temperature will the glass be subjected in use?

In architectural elements of clear or clear matted finish glass, should:

(a) The ends and (or) sides have ground surface?

(b) The ends and (or) sides have ground and polished surface?

(Note: Ordinary grinding is satisfactory in clear or matted finish when appearance of the joint in design is not important or is covered with metal. Grinding and polishing is usually required when joints are minimized in the design.)

(c) Back and (or) face have clear mould finish?

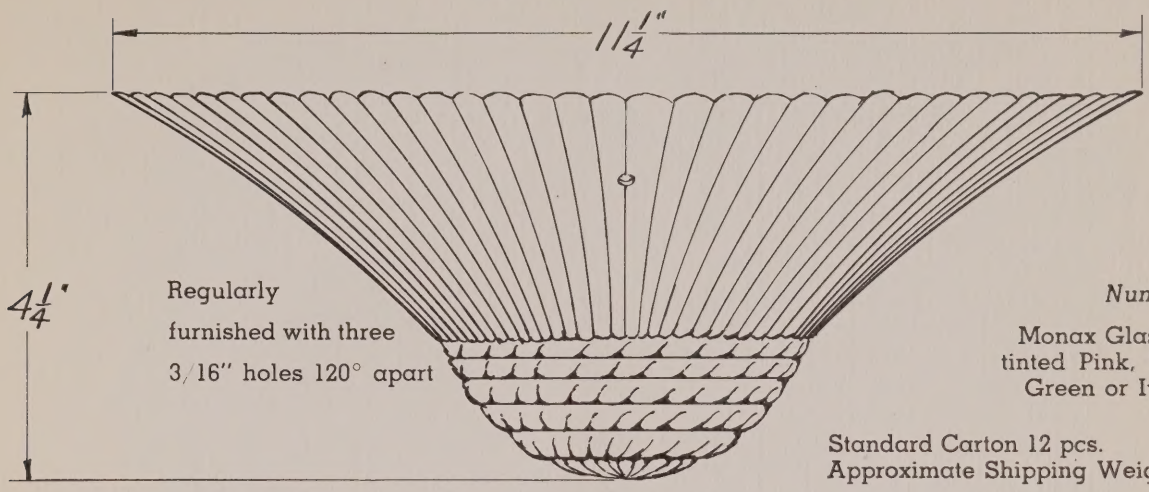
(d) Back and (or) face have ground and polished finish?

(e) Back and (or) face have matted finish?

There are certain definite limitations of size and thickness in glass manufacture. These should be determined before specifications are prepared. All tolerances required for successful production should be established in advance.

B-49-12-39
Litho in U.S.A.

BEDROOM BOWL



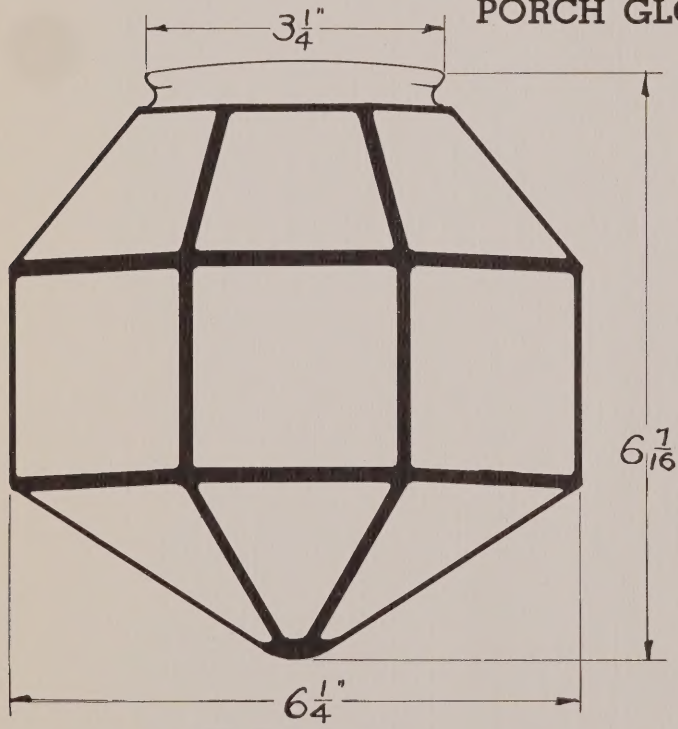
Regularly furnished with three 3/16" holes 120° apart

Number 82707

Monax Glass plain or tinted Pink, Tan, Blue, Green or Ivory

Standard Carton 12 pcs.
Approximate Shipping Weight 30 lbs.

PORCH GLOBES



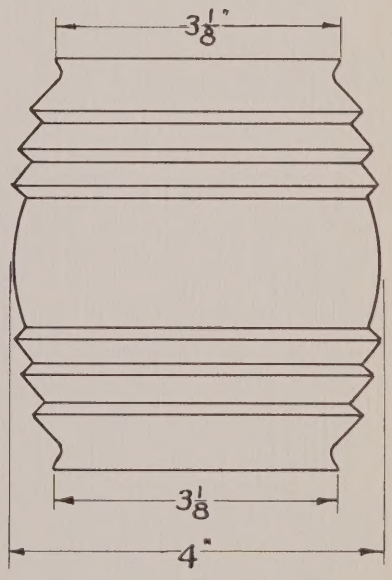
HEXAGONAL TYPE

Number 82341 D-120

Monax Glass with black line decoration

Standard Carton 12 pcs.

Approximate Shipping Weight 19 lbs.



FRESNEL TYPE

Number 82165

Clear Glass or clear glass stained Amber, Green or Red

Standard Carton 36 pcs.

Approximate Shipping Weight 28 lbs.

Please specify color required.

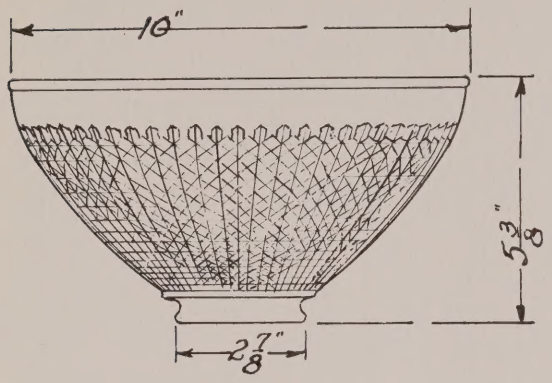
Order by number.
Scale ½ full size

MACBETH-EVANS DIVISION, CHARLEROI, PA.

B-49-12-39
Litho in U.S.A.

REFLECTORS—I.E.S.

"The Heart of the Lamp"

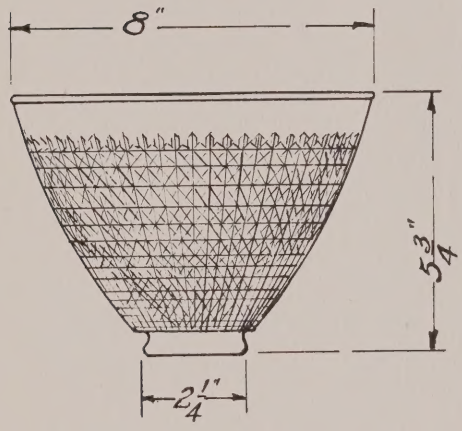


Numbed 82416

Glo-Flec
10" Dia. Reflector
for 100/200/300 watt
I.E.S. Floor Lamp

Standard Carton 6 pcs.

Approximate Shipping Weight 15½ lbs.

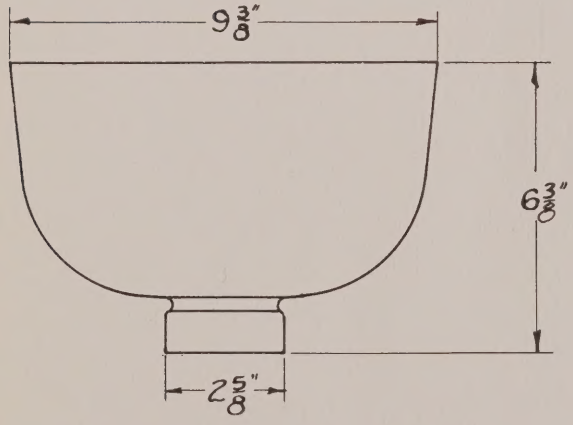


Number 82012

Glo-Flec
8" Dia. Reflector
for 100 watt I.E.S.
Study Lamp

Standard Carton 6 pcs.

Approximate Shipping Weight 10½ lbs.

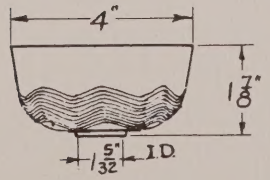


Number 82209

Monax
9⅜" Dia. Reflector
for 150 watt or
50/100/150 watt I.E.S.
Floor Lamp

Standard Carton 6 pcs.

Approximate Shipping Weight 13 lbs.



Number 82001

Glo-Flec
Candle Cup Reflector

Standard Carton 72 pcs.

Approximate Shipping Weight 33 lbs.

Order by number.

Scale ¼ full size

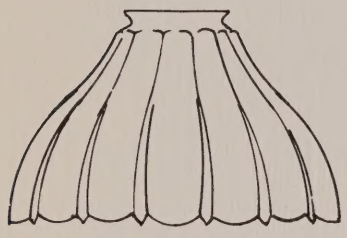
MACBETH-EVANS DIVISION, CHARLEROI, PA.

B-49-12-39
Litho in U.S.A.

REFLECTORS AND SHADES

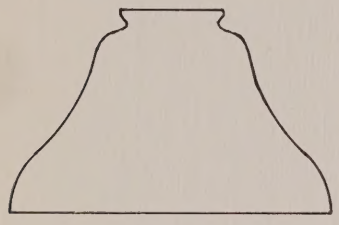
FLAT TYPE PRESSED REFLECTOR — Alba Glass

Number	Dia.	Depth	Fitter	Packed	Weight*
82010	7½"	2⅛"	2¼"	6 pcs.	11 lbs.
82011	9"	3⅝"	2¼"	6 "	18 "



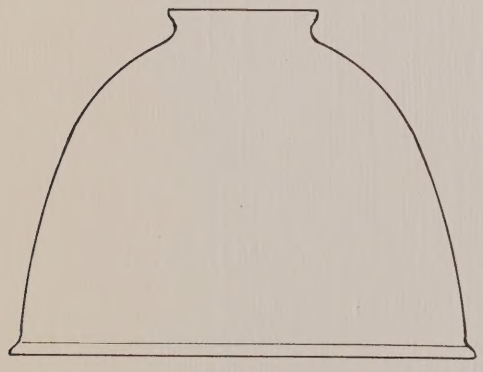
BELL TYPE PRESSED REFLECTOR — Alba Glass

Number	Dia.	Depth	Fitter	Packed	Weight*
82002	5⅛"	3⅝"	2¼"	12 pcs.	14 lbs.
82004	7¼"	4¾"	2¼"	8 "	18 "
82005	8¼"	6"	2¼"	8 "	32 "



MISSION BELL TYPE BLOWN SHADES — Monax Glass

Number	Dia.	Depth	Fitter	Packed	Weight*
82248	4½"	4⅛"	2¼"	36 pcs.	25 lbs.
82249	6"	4¼"	2¼"	36 "	27 "
82250	7"	4½"	2¼"	24 "	30 "
82251	8"	5"	2¼"	16 "	26 "



BOWL TYPE BLOWN REFLECTORS — Monax Glass

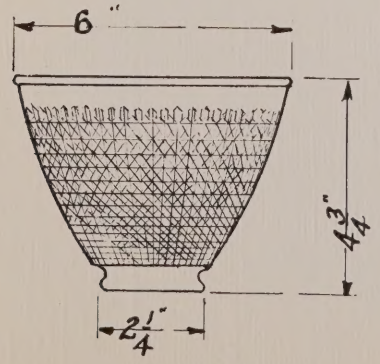
Large Size

Number	Dia.	Depth	Fitter	Packed	Weight*
82412	10-9/32"	7-21/32"	3¼"	4 pcs.	19 lbs.
82413	12-9/16"	8½"	3¼"	4 "	23 "

SMALL BLOWN BOWL REFLECTOR

(similar to illustration at left except it has no lip)

82252	7"	5"	2¼"	12 pcs.	18 lbs.



BOWL TYPE PRESSED REFLECTOR

Glo-Flec

(Design matches I.E.S. Reflectors)

Number	Dia.	Depth	Fitter	Packed	Weight*
82009	6"	4¾"	2¼"	36 pcs.	37 lbs.

*Weight given is approximate shipping weight of std. carton.

Scale ¼ Full Size — Order by Number

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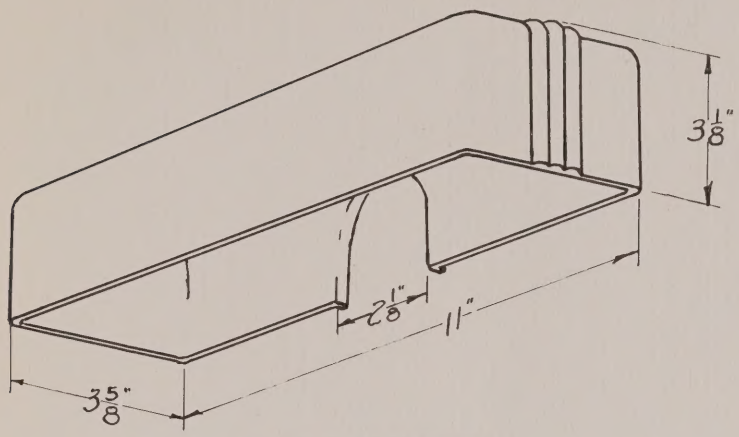
Litho in U.S.A.

HALF SHADES



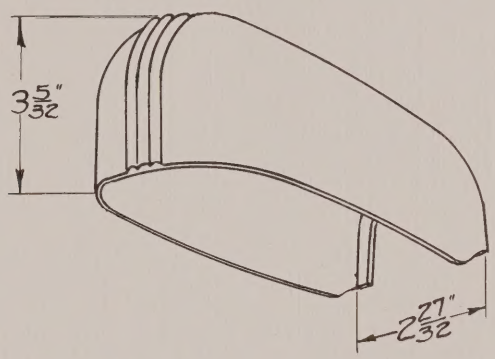
TWINLITE REFLECTOR

Number 82285

Alba Glass

Standard Carton 12 pcs.

Approximate Shipping Weight 35 lbs.



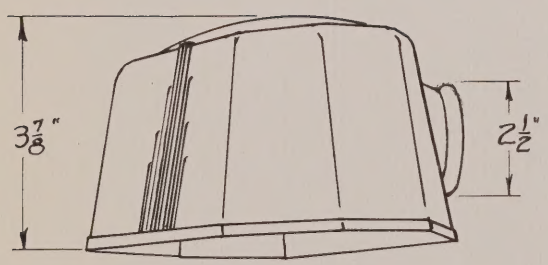
Number 82354

Alba Glass

Standard Carton 36 pcs.

Approximate Shipping Weight 45 lbs.

OPEN BOTTOM-6 9/16" × 3 11/16"



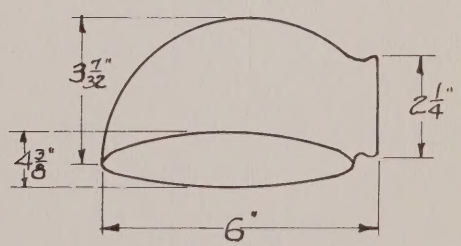
OPEN BOTTOM 4 7/16" x 6"

Number 82349

Monax Glass

Standard Carton 12 pcs.

Approximate Shipping Weight 18 lbs.



Number 82256

Monax Glass

Standard Carton 12 pcs.

Approximate Shipping Weight 10 lbs.

Order by number.

No Scale

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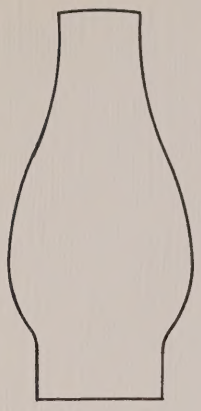
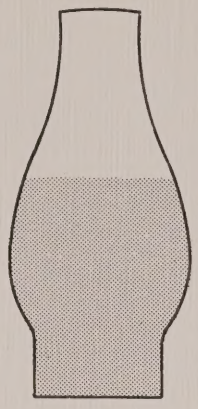
Litho in U.S.A.

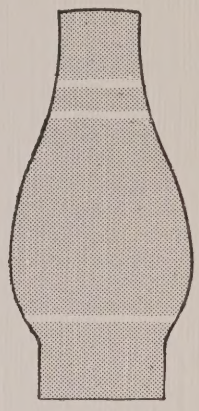
CHIMNEYS AND ASTRAL SHADES



Clear or Frosted all over



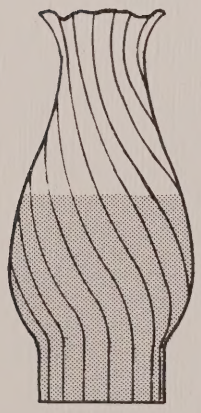
S-15 Decoration



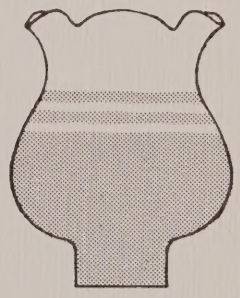
S-2 Decoration

Number	*Height*	*Diameter*	*Bottom Opening Outside*	*Packed*	*Weight**
84801	6½"	$2\frac{15}{16}$"	$2\frac{1}{16}$"	36 pcs.	12 lbs.
84802	7½"	$3\frac{9}{16}$"	2½"	36 "	12 "
84803	7½"	$3\frac{9}{16}$"	2⅝"	36 "	15 "
84804	8½"	4"	3"	36 "	15 "

Order by number and decoration.



S-15 decoration shown above or also furnished clear.



S-13 decoration shown above or with S-15 decoration (lower half frosted)

Number	*Height*	*Dia.*	*Bottom Opening*	*Packed*	*Weight**
82159	6½"	3⅛"	2¼"	36 pcs.	12 lbs.
82160	7½"	3½"	2½"	36 "	21 "

Order by number and decoration.

Number	*Height*	*Dia.*	*Bottom Opening*	*Packed*	*Weight**
82235	5¼"	4⅛"	1⅝"	36 pcs.	23 lbs.

*Weight given is approximate shipping weight of standard carton

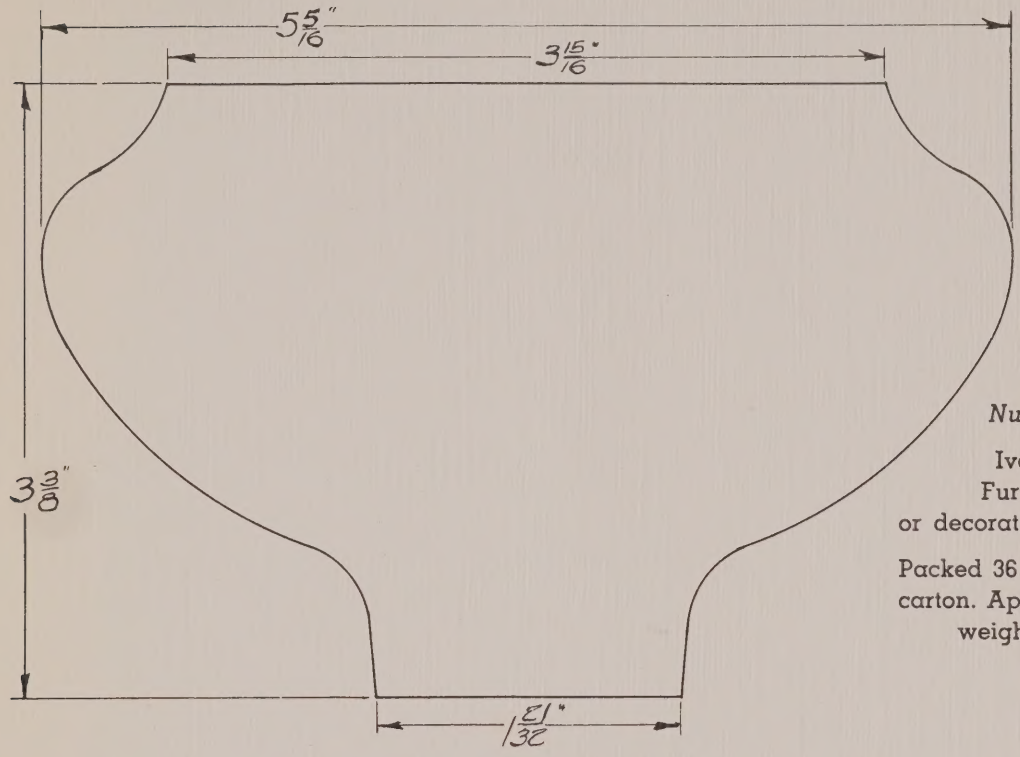
Scale ¼ Full Size (larger chimney)

MACBETH-EVANS DIVISION, CHARLEROI, PA.

B-49-12-39
Litho in U.S.A.

MACHINE MADE SHADES

for Residential Lighting Fixtures



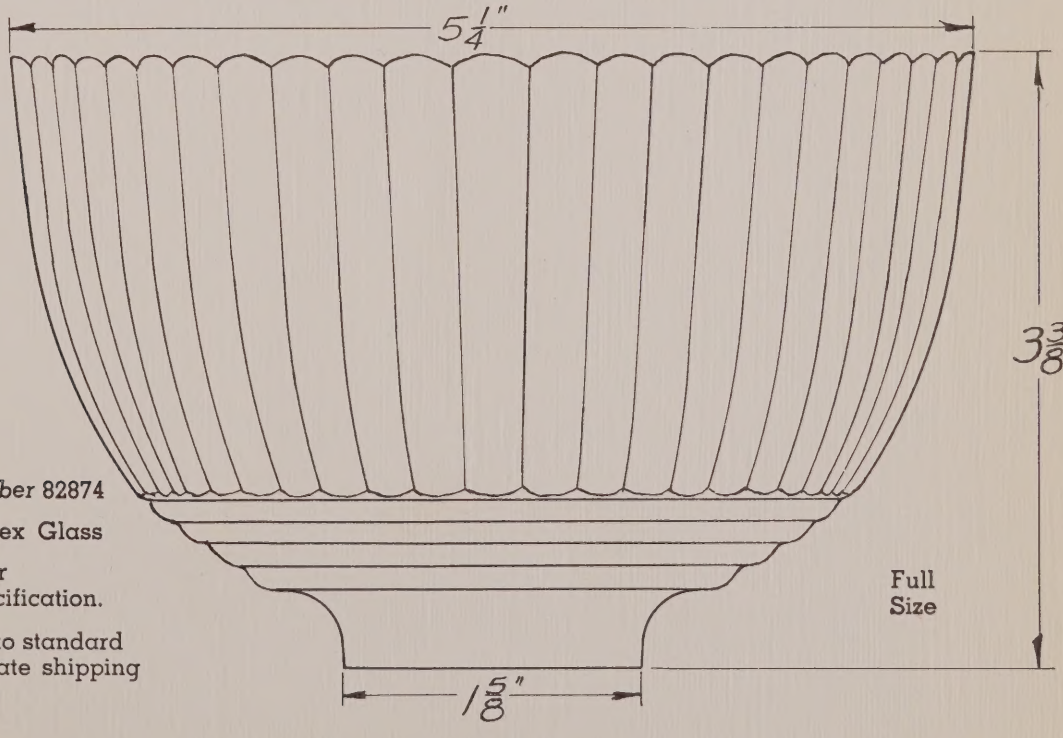
Full Size

Number 82381

Ivorian Glass
Furnished Plain
or decorated to specification.

Packed 36 pieces to standard carton. Approximate shipping weight 22½ pounds.

Order by number.



Number 82874

Chinex Glass

Furnished plain or decorated to specification.

Packed 36 pieces to standard carton. Approximate shipping weight 23 pounds.

Full Size

Note: Inquiries for special mould designs are solicited.

MACBETH-EVANS DIVISION, CHARLEROI, PA.

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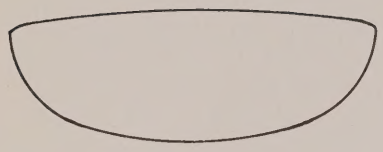
BOWLS

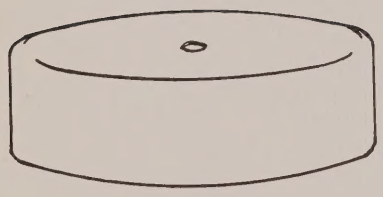


SHALLOW BOWLS

Monax Glass

Number	*Diameter*	*Depth*	*Packed*	*Weight**
82816	8"	3⅛"	6 pcs.	10 lbs.
82810	10"	3⅛"	3 "	8 "
82811	12"	3¾"	3 "	13 "
82812	14¼"	4 7/16"	3 "	17 "
82813	16"	5"	2 "	21 "

Order by Number.
All bowls drilled ½" hole in bottom.

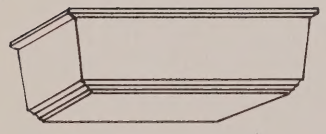


STRAIGHT SIDE FLAT BOTTOM BOWL

Monax or Ivorian Glass

Number	*Diameter*	*Depth*	*Packed*	*Weight**
82823	8"	3"	6 pcs.	13 lbs.
82819	10"	3½"	3 "	6 "
82820	12"	4"	3 "	13 "
82821	14"	4½"	3 "	15 "
82824	16"	5"	2 "	18 "
82862	18"	6"	2 "	22 "

All bowls drilled ½" hole in bottom.
Order by Number and Specify Glass.

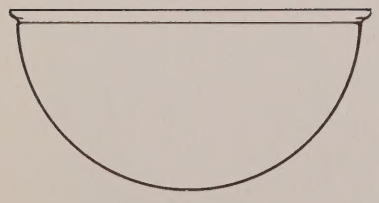


SQUARE BOWL

Monax Glass

Number	*Side Dimension*	*Depth*	*Packed*	*Weight**
82841	10¾"	3¾"	1 pc.	8 lbs.
82842	12¾"	4½"	1 "	11 "

Order by Number.



HEMISPHERES

Monax Glass

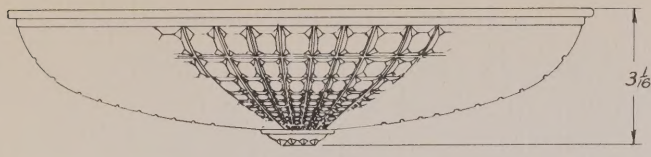
Number	*Diameter*	*Depth*	*Packed*	*Weight**
82834	8"	4"	16 pcs.	25 lbs.
82831	10"	5"	6 "	20 "
82829	12"	6"	4 "	15 "
82830	14"	7"	1 pc.	6 "
82832	16"	8"	1 "	13 "

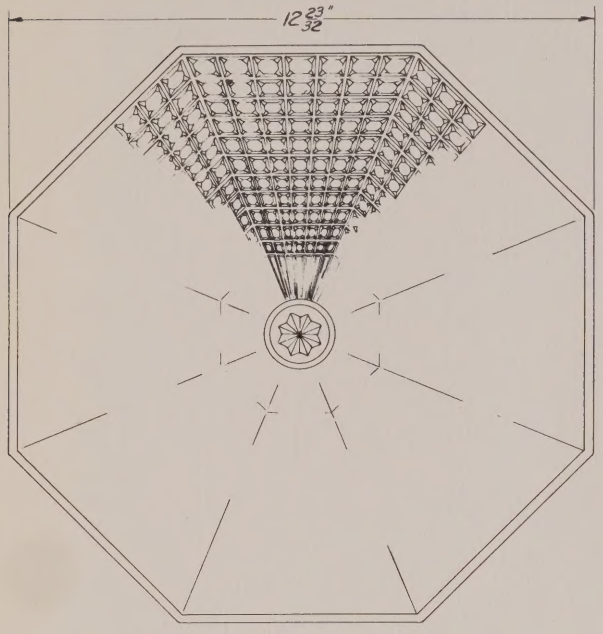
Order by Number.

Scale ⅛ Full Size
(16" bowl)

*Weight given is approximate shipping weight of std. carton.

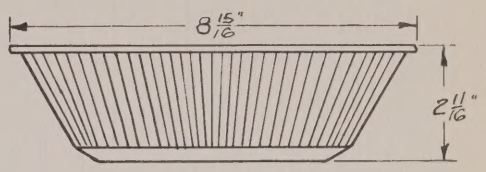
B-49-12-39
Litho in U.S.A.

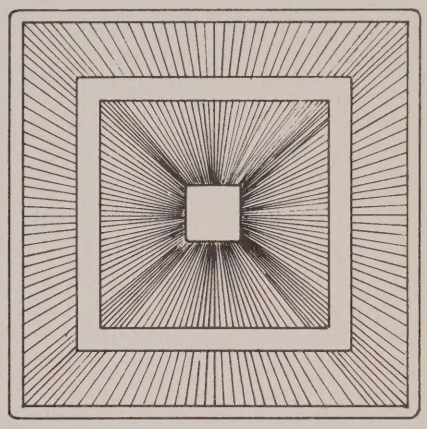




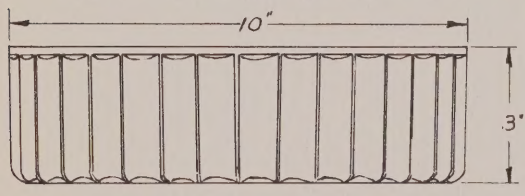
OCTAGONAL BOWL No. 82721
Clear glass. Packed 4 to std. carton
Approximate shipping weight 22 lbs.

BOWLS

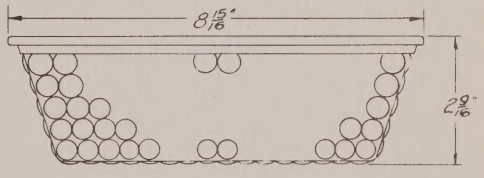


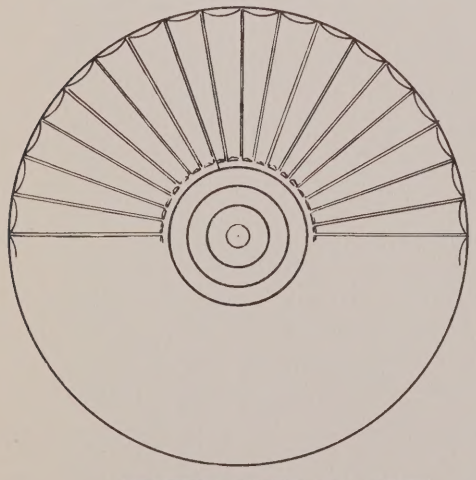


PRISMATIC BOWL No. 82720
Clear glass, satin finish or tinted pink, green or ivory
Specify color desired.
Packed 4 pieces to std. carton
Approximate shipping weight 17 lbs.

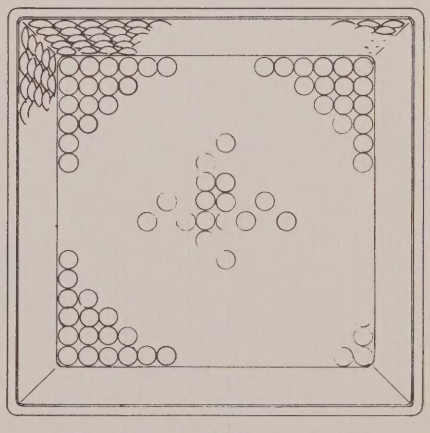


Order by number.





Scale 1/4 full size

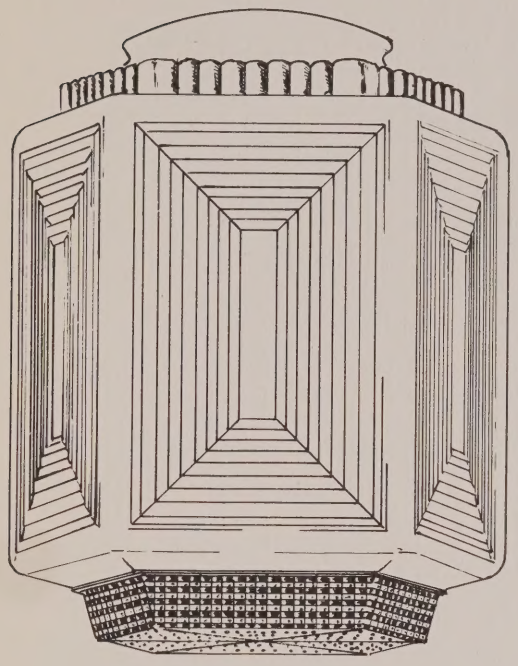


FLUTED BOWL No. 82745
Ivorian Glass. Drilled ½" hole in bottom.
Packed 3 pieces to std. carton
Approximate shipping weight 22 lbs.

HOBNAIL BOWL No. 82853
Clear glass
Packed 4 pieces to std. carton
Approximate shipping weight 17 lbs.

B-49-12-39
Litho in U.S.A.

GLOBES

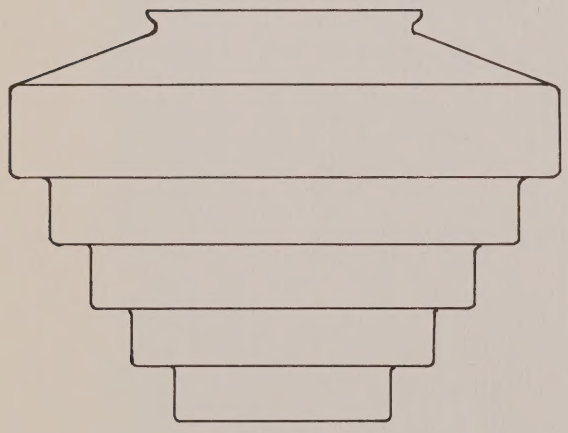


THE MAXILITE

Monax Glass With Crystal Bottom

Number†	*Dia.*	*Height*	*Fitter*	*Packed*	*Weight**
81137	7″	10 9/16″	4″	4 pcs.	22 lbs.
81516	11″	12¾″	6″	4 ″	39 ″

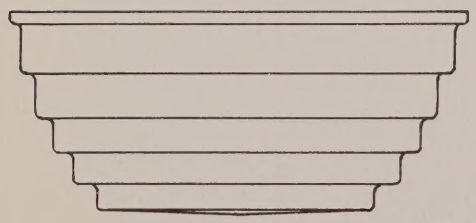
†Number includes globe and bottom.



THE TERRELL

Monax Glass

Number	*Dia.*	*Height*	*Fitter*	*Packed*	*Weight**
81026	8″	6″	4″	12 pcs.	28 lbs.
81028	10″	7⅝″	4″	4 ″	17 ″
81029	12″	9″	6″	2 ″	15 ″
81027	14″	10 3/16″	6″	2 ″	17 ″
81031	16″	11½″	6″	1 ″	13 ″



THE TERRELL CEILING BOWL

Monax Glass

Number	*Dia.*	*Height*	*Fitter*	*Packed*	*Weight**
82838	10″	4½″	10″	4 pcs.	12 lbs.

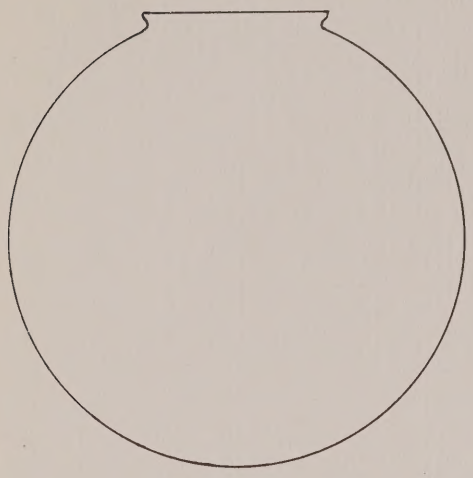
Order by number.

No Scale

*Weight given is approximate shipping weight of standard carton

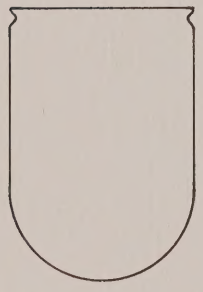
B-49-12-39
Litho in U.S.A.

BALL GLOBES



Monax Glass

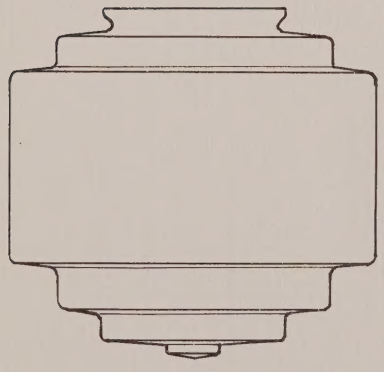
Mould Number	Diameter Inches	Depth Inches	Fitter Diameter Inches	Packed	Weight*
82320	6	6	3¼	12 pcs.	12 lbs.
82321	7	7	3¼	12 "	21 "
82322	8	8	4	8 "	18 "
80008	10	10	4	4 "	16 "
80006	10	10	5	4 "	16 "
80007	10	10	6	4 "	16 "
80002	12	12	6	2 "	12 "
80019	12	12	8	2 "	12 "
80009	14	14	6	1 "	10 "
80012	14	14	7	1 "	10 "
80014	14	14	8	1 "	10 "
80020	16	16	6	1 "	14 "
80004	16	16	8	1 "	14 "
80021	16	16	9	1 "	14 "
80003	18	18	8	1 "	19 "
80017	18	18	10	1 "	19 "
80015	20	20	8¼	1 "	28 "



ROMANESQUE STALACTITE

Monax Glass

Number	Diameter	Depth	Fitter	Packed	Weight*
82263	4"	6"	4"	12 pcs.	13 lbs.
82264	4"	8"	4"	12 "	21 "
82265	5"	9½"	5"	12 "	25 "
82266	6"	11"	6"	12 "	28 "
82571	8"	16"	8"	4 "	22 "

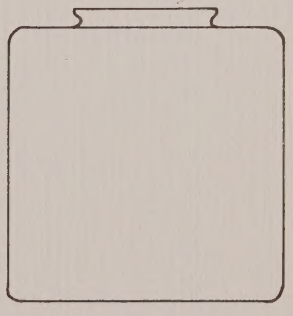


THE CYLINDRIX KITCHEN GLOBE

Monax Glass

Number	Dia.	Depth	Fitter	Packed	Weight*
81004	8"	7½"	4"	12 pcs.	30 lbs.

*Weight given is approximate shipping weight of std. carton.



THE CUBE GLOBE

Monax Glass

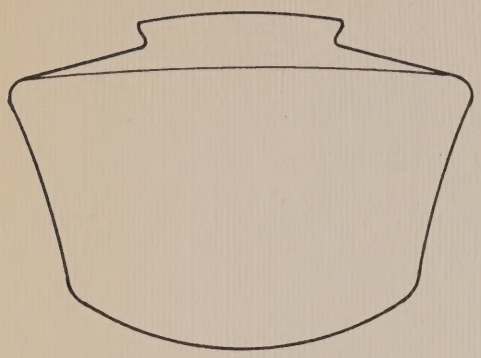
Number	Side Dimension	Fitter	Packed	Weight*
81016	4⅜"	3¼"	12 pcs.	19 lbs.
81015	6"	3¼"	12 "	43 "
81018	7"	4"	4 "	20 "
81017	8"	4"	4 "	25 "

Order by Number.
Scale ¼ full size — one size

MACBETH-EVANS DIVISION, CHARLEROI, PA.

B-49-12-39
Litho in U.S.A.

COMMERCIAL LIGHTING GLOBES

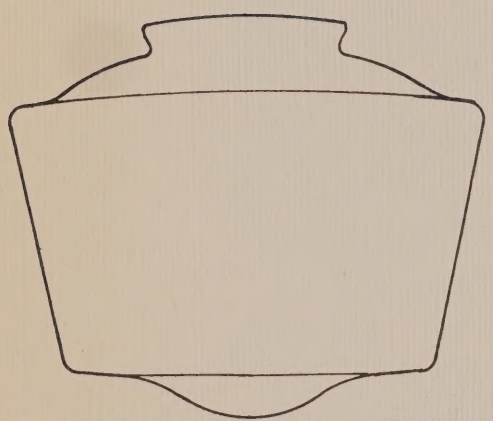


ROMANESQUE

Semi-indirect — Galax Brand Glass

Number	Diameter Inches	Depth Inches	Fitter Inches	Standard Package	Shipping Weight
81647	14	10	6	2	16
81648	16	11⅜	6	2	19
81650	18	12½	6	1	14

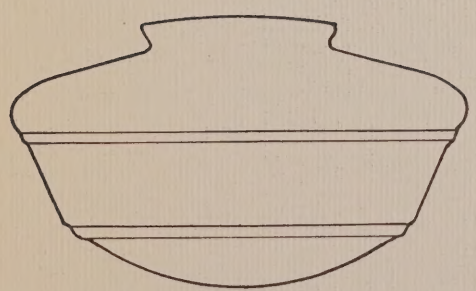
See reverse side of sheet for photometric characteristics.



RAVENNA

General Diffuse — Monax Glass

Number	Diameter Inches	Depth Inches	Fitter Inches	Standard Package	Shipping Weight
81123	9	6¾	4	8	20
81304	10	7¾	4	4	13
81305	12	9½	6	2	11
81307	14	11⅛	6	2	13
81308	16	12¾	6	1	13
81309	18	14½	6	1	15



CATALDO

General Diffuse — Monax Glass

Number	Diameter Inches	Depth Inches	Fitter Inches	Standard Package	Shipping Weight
81117	8½	5½	4	12	24
81228	10	6⅜	4	8	20
81151	12	7¾	6	3	13
81230	14	8¼	6	3	17
81229	16	10	6	2	17

To order, give number

No Scale

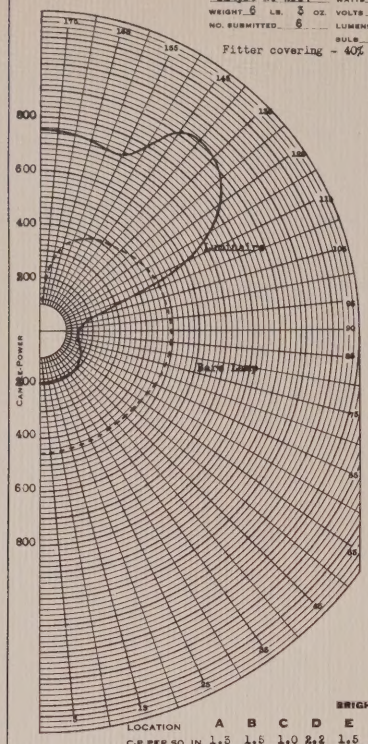
See reverse side of sheet for photometric characteristics.

ROMANESQUE — Semi-indirect

PHOTOMETRIC ANALYSIS OF No. Romanesque No 81648 Clear Top

TESTED AT Charleroi Laboratory

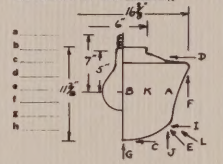
GLASS Galax "C" — LAMP Inside Frosted — PHOTOMETER Distribution
Sample No 2837 — WATTS 300 — ROTATING No
WEIGHT 6 LB. 3 OZ. — VOLTS 115 — TEST DISTANCE 9 ft.
NO. SUBMITTED 6 — LUMENS CLEAR 5780 — TESTED BY P.N.A.
BULB P S 35 — CHECKED BY E.T.L.
Fitter covering - 40% Reflecting — DATE OF TEST 4/24/39



ANGLE IN DEGREES	CANDLE POWER	ZONE	ZONAL LUMENS
0	197		
5	196	0-10	19
15	196	10-20	55
25	198	20-30	92
35	198	30-40	124
45	196	40-50	152
55	187	50-60	168
65	172	60-70	171
75	155	70-80	164
85	146	80-90	159
90	145		
95	148	90-100	159
105	206	100-110	218
115	604	110-120	600
125	832	120-130	747
135	922	130-140	714
145	916	140-150	575
155	725	150-160	335
165	758	160-170	209
175	755	170-180	72
180	755		

ZONE	LUMENS	PER CENT BARE LAMP	MEAN C.P.
0-60	610	10.6	
0-90	1104	19.2	
90-180	3629	63.0	
120-180			
0-180	4733	82.2	

EFFICIENCY OF UNIT 82.2 %



BRIGHTNESS VALUES

LOCATION	A	B	C	D	E	F	G	H	I	J	K	L	M
C-P PER SQ. IN.	1.5	1.6	1.9	2.2	1.5	1.0	1.5	1.3	1.5	1.3	1.4	1.5	

NO. 1001 — DATE 4/24/39

P. N. Atkison
ILLUMINATING ENGINEER

Approved By C. A. Stone

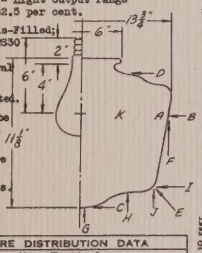
RAVENNA — General Diffuse

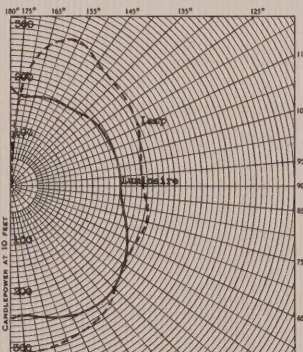
ELECTRICAL TESTING LABORATORIES
NEW YORK, N. Y.

REPORT NO. 47249 — ORDER NO. 41095-S — PLATE NO. 21899

CANDLEPOWER DISTRIBUTION
NO. 5198 MACBETH MONAX GLOBE*
Rendered to Macbeth Evans Glass Company

. Submitted - Six - Light output range
2 - 83. Average 82.5 per cent.
mp - 200 Watts; Gas-Filled;
280 Lumens; Bulb PS30
lear; Medium Base;
ilament C-9; General
ervice; 115 Volts.
lder - None submitted.
rface covering globe
pening, reflection
actor 40%.
ocedure - Luminaire
otated.
ite diffusing glass.
ight 3 lb. 12 oz.





LUMINAIRE DISTRIBUTION DATA
Mean Vertical

MID-ZONE ANGLES	CANDLEPOWER AT 10 FEET	ZONAL LUMENS	MID-ZONE ANGLES	CANDLEPOWER AT 10 FEET	ZONAL LUMENS
180° ZN.	183		90° ZONE	200	
175°	165	16	85°	201	219
165°	171	48	75°	216	229
155°	178	82	65°	233	231
145°	179	112	55°	252	226
135°	187	145	45°	267	207
125°	195	175	35°	271	170
115°	197	195	25°	266	122
105°	200	212	15°	252	71
95°	200	218	5°	241	23
			0° ZONE	246	

LIGHT FLUX VALUES

ZONE	LUMENS: LAMP	LUMENS: LUMINAIRE	PER CENT TOTAL LUMENS BARE LAMP	PER CENT LIGHT OUTPUT
0°-60°	877	819	25	
0°-90°	1665	1498	46	82.5
90°-180°	1615	1303	36.5	
0°-180°	3280	2701	82.5	

LUMINAIRE BRIGHTNESS

CANDLEPOWER PER SQUARE INCH
THE ARROWS INDICATE THE LOCATION AND ANGLE OF VIEW

LOCATIONS	A	B	C	D	E	F	G	H	I	J	K	L	M
CP. PER SQ. IN.	2.1	2.5	1.9	2.5	2.4	1.4	2.0	2.1	2.2	1.7	2.3		

*E.T.L. Identification No. 2074.

TESTED BY [illegible] PLOTTED BY [illegible] COMPUTED BY [illegible] CHECKED BY [illegible] ISSUED February 15, 1929.

APPROVED BY William J. Serrick
ENGINEER IN CHARGE OF PHOTOMETRY

C. E. Horn
IN CHARGE OF TEST

CATALDO — General Diffuse

ELECTRICAL TESTING LABORATORIES
NEW YORK, N. Y.

REPORT NO. 47233 — ORDER NO. 41095-S — PLATE NO. 21869

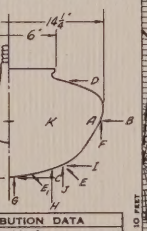
CANDLEPOWER DISTRIBUTION
NO. 5282-A MACBETH MONAX GLOBE*
Rendered to Macbeth Evans Glass Company

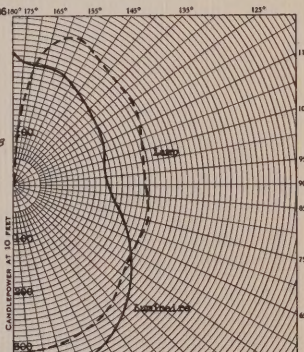
No. Submitted - Six - Light output range - 84-86 average 85 percent.

Lamp - 200 Watts; Gas-filled; 3280 lumens; Bulb PS30 Clear; Medium base; Filament C-9; General service; 115 Volts.

Holder - None submitted - Surface covering globe opening - reflection factor 40 percent.

Procedure - Luminaire rotated.





LUMINAIRE DISTRIBUTION DATA
Mean Vertical

MID-ZONE ANGLES	CANDLEPOWER AT 10 FEET	ZONAL LUMENS	MID-ZONE ANGLES	CANDLEPOWER AT 10 FEET	ZONAL LUMENS
180° ZN.	245		90° ZONE	172	
175°	229	22	85°	180	196
165°	229	65	75°	202	214
155°	233	103	65°	232	231
145°	206	131	55°	264	237
135°	198	153	45°	293	227
125°	187	168	35°	325	204
115°	183	182	25°	345	160
105°	174	184	15°	356	101
95°	171	187	5°	371	35
			0° ZONE	375	

LIGHT FLUX VALUES

ZONE	LUMENS: LAMP	LUMENS: LUMINAIRE	PER CENT TOTAL LUMENS BARE LAMP	PER CENT LIGHT OUTPUT
0°-60°	877	964	29	
0°-90°	1665	1605	49	85
90°-180°	1615	1195	36	
0°-180°	3280	2800	85	

LUMINAIRE BRIGHTNESS

White diffusing glass.
Weight 3 lb - 1 oz

CANDLEPOWER PER SQUARE INCH
THE ARROWS INDICATE THE LOCATION AND ANGLE OF VIEW

LOCATIONS	A	B	C	D	E	F	G	H	I	J	K	E'	M
CP. PER SQ. IN.	2.5	2.7	3.3	3.5	3.0	1.85	4.0	3.3	2.3	2.5	2.6	3.4	

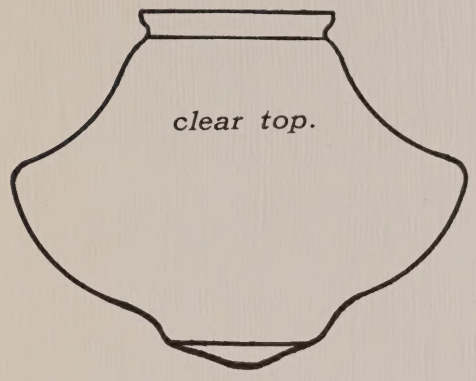
*E.T.L. Identification No. 2048.

TESTED BY [illegible] PLOTTED BY [illegible] COMPUTED BY [illegible] CHECKED BY [illegible] ISSUED Feb. 9, 1929.

APPROVED BY William J. Serrick
ENGINEER IN CHARGE OF PHOTOMETRY

C. E. Horn
IN CHARGE OF TEST

COMMERCIAL LIGHTING GLOBES



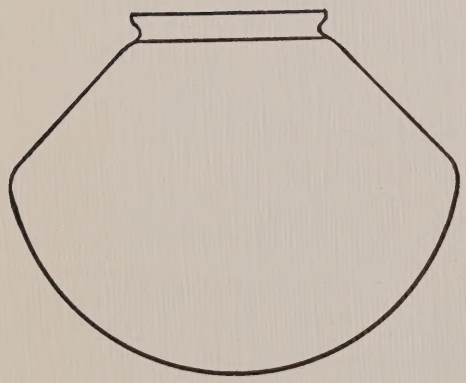
HALLSTADT

GALAX Brand Globe,

Semi-Indirect • Recommended for Institutions, Offices, Schools and Hospitals

See reverse side of sheet for photometric characteristics.

Mould Number	Diameter Inches	Depth Inches	Fitter Diameter Inches	*Lamp Position Above Inches	Suggested Wattage	Standard Package	Approx. Wt. Lbs. Per Pkg.
81614	14	10	6	1	200	ctn 2 pc	14
81618	16	12	6	1	300	ctn 2 pc	18
81620	18	13½	6	½	500	ctn 1 pc	14
81621	20	14½	8	2½	750	ctn 1 pc	23



PILGRIM

MONAX

General Diffuse • for Institutions, Offices, Schools

See reverse side of sheet for photometric characteristics.

No Scale

To order, give number

Mould Number	Diameter Inches	Depth Inches	Fitter Diameter Inches	*Lamp Position Above Inches	Suggested Wattage	Standard Package	Approx. Wt. Lbs. Per Pkg.
81128	$8\frac{7}{16}$	7	4	$\frac{5}{8}$	60	ctn 12 pc	22
81298	$10\frac{7}{16}$	$8\frac{5}{16}$	4	½	75	ctn 4 pc	14
81299	12	$9\frac{3}{16}$	6	½	100	ctn 2 pc	11
81300	14	10½	6	1	150	ctn 2 pc	13
81301	16	$11\frac{3}{4}$	6	1½	200	ctn 2 pc	15
81302	18	$13\frac{3}{16}$	6	1½	300	ctn 2 pc	14

*Lamp Position—Represents the distance in inches of lamp contact above the plane of the fitter screws when using suggested wattage.

B-49-12-39
Litho in U.S.A.

PHOTOMETRIC DATA

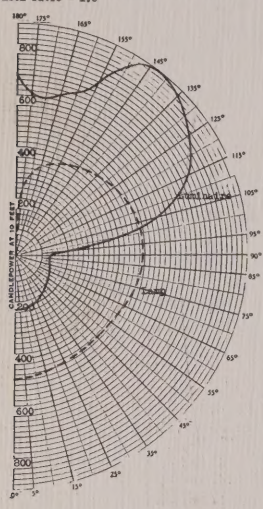
TESTED IN COMPLIANCE WITH ILLUMINATING ENGINEERING SOCIETY SPECIFICATIONS

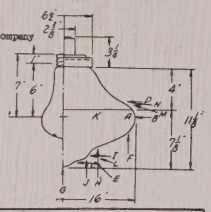
REPORT NO. 150569 ORDER NO. 74782-S PLATE NO. 34327

HALLSTADT NO. 61618 GALAX GLOBE, SEMI-INDIRECT

Rendered to Corning Glass Works

Selection by E.T.L. - Six samples "selected at random from packed stock".
Lamp - 300 Watts; 115 Volts; PS35 Inside-Frosted Bulb; 5760 Lumens; C-7A Filament.
Test - Weighed 6 - Range 71 to 94 oz. - Average 90 oz.
Light Output 6 - Range 86.5 to 88.5% - Average 87%
Distribution 1 for Average Unit - E.T.L. No. 10857
Hanger - No. 2312-2312 Aluminum, Manufactured by The Art Metal Company
Lamp neck ratio - 1.6





LUMINAIRE					
DISTRIBUTION DATA			BRIGHTNESS		
MID-ZONE ANGLES	MEAN CANDLEPOWER AT 10 FEET	ZONAL LUMENS	LOCATIONS	CANDLES PER SQ. IN.	FOOT-LAMBERTS
180° MIN.	700		A	1.0	450
175°	625	60	B	1.0	450
165°	640	181	C	1.2	540
155°	935	345	D	4.1	1850
145°	895	559	E	1.7	770
135°	870	674	F	0.8	360
125°	810	727	G	1.4	630
115°	730	734	H	1.4	630
105°	565	572	I	1.7	770
95°	168	198	J	1.5	680
90° MAX.	130		K	1.0	450
85°	127	139	L	1.7	770
75°	135	143	M	2.4	1090
65°	143	142	N	2.9	1310
55°	150	135	LIGHT FLUX VALUES		
45°	164	127	ZONE	LUMENS LUMINAIRE	PER CENT TOTAL LUMENS BARE LAMP
35°	181	114			
25°	195	90	0°-180°	5008	87
15°	205	58	90°-180°	4040	70
5°	209	20	0°-90°	968	17
0° MIN.	209		0°-60°	544	9.5

ELECTRICAL TESTING LABORATORIES
NEW YORK, N. Y.

APPROVED BY

William F. Little
ENGINEER IN CHARGE OF PHOTOMETRY

C. E. Horn
IN CHARGE OF TEST

TESTED BY J&C COMPUTED BY JJ
PLOTTED by [illegible] CHECKED BY [illegible]
ISSUED December 20, 1939.

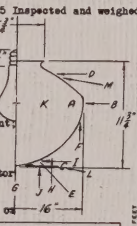
ELECTRICAL TESTING LABORATORIES
NEW YORK, N. Y.

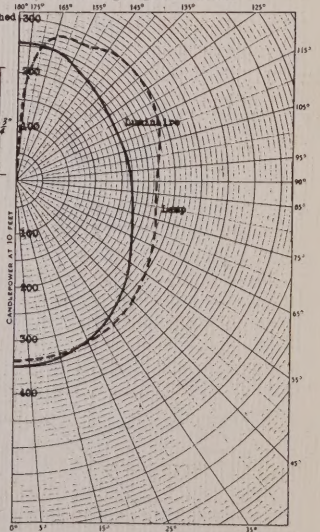
REPORT NO. 144442 ORDER NO. 68430-S PLATE NO. 30474

CANDLEPOWER DISTRIBUTION

PILGRIM NO.81301 MONAX GLASS GLOBE*
Tested in Compliance with Illuminating Engineering Society
Standard Testing Specifications
Rendered to Corning Glass Works, Illuminating & Optical Division

Globes - 95 Submitted; 25 Inspected and weighed
6 Tested.
Light output range
82.5 to 83.5%
Average 83%.
Lamp - 200 Watts;
115 Volts; 3640
Lumens; PS30
Inside Frosted Gas-
Filled Bulb; C-9 Filament;
Medium Base; General
Service.
Surface covering globe
opening, reflection factor
0.40.
White diffusing glass
Weight of test sample 83 oz





LUMINAIRE DISTRIBUTION DATA Mean Vertical					
MID-ZONE ANGLES	CANDLEPOWER AT 10 FEET	ZONAL LUMENS	MID-ZONE ANGLES	CANDLEPOWER AT 10 FEET	ZONAL LUMENS
180° MIN.	257		90° MAX.	216	
175°	256	24	85°	219	239
165°	252	71	75°	227	240
155°	240	111	65°	241	239
145°	228	143	55°	262	235
135°	216	167	45°	288	223
125°	211	189	35°	311	195
115°	208	206	25°	329	152
105°	210	222	15°	342	97
95°	214	234	5°	348	33
			0° MAX.	349	

LIGHT FLUX VALUES			
ZONE	LUMENS LAMP	LUMENS LUMINAIRE	PER CENT TOTAL LUMENS BARE LAMP
0°-60°	1000	935	25.5
0°-90°	1860	1653	45.5
90°-180°	1780	1367	37.5
0°-180°	3640	3020	83

PER CENT LIGHT OUTPUT: 83

LUMINAIRE BRIGHTNESS

CANDLEPOWER PER SQUARE INCH
THE ARROWS INDICATE THE LOCATION AND ANGLE OF VIEW.

LOCATIONS	A	B	C	D	E	F	G	H	J	J	K	L	M
CP. PER SQ. IN.	1.2	1.6	1.2	1.6	2.2	1.4	2.2	1.9	1.5	2.2	1.5	2.0	1.5

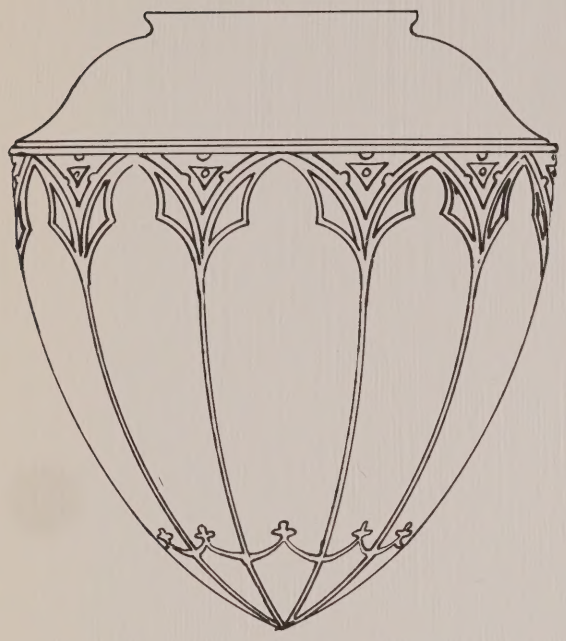
*E.T.L. Identification No.8312

TESTED BY J&C PLOTTED BY AN COMPUTED BY AK CHECKED BY [illegible] ISSUED April 21, 1938.

APPROVED BY William F. Little
ENGINEER IN CHARGE OF PHOTOMETRY

C. E. Horn
IN CHARGE OF TEST

ENCLOSING GLOBES



THE GOTHIC

Monax Glass

(A popular and inexpensive church globe)

Number	*Dia.*	*Depth*	*Fitter*	*Packed*	*Weight**
81131	6"	6⅝"	3¼"	12	18 lbs.
81132	8"	8⅞"	4"	8	23 "
81510	10"	11¼"	6"	2	11 "
81511	12"	13½"	6"	2	14 "
81512	14"	15½"	6"	1	13 "

Order by Number.

*Weight given is approximate shipping weight of standard carton

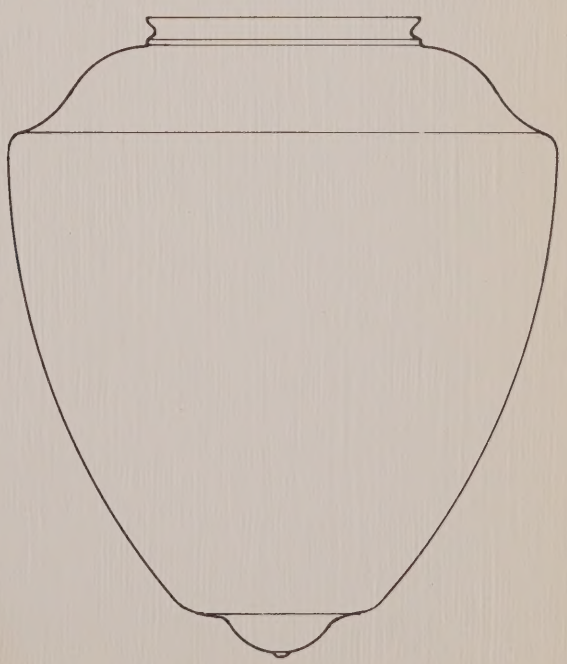
THE ACORN

(A highly efficient enclosing globe)

Monax Glass

Number	*Dia.*	*Depth*	*Fitter*	*Packed*	*Weight**
81258	8"	9⅝"	4"	8	22 lbs.
81254	10"	12"	6"	2	11 "
81257	12"	14"	6"	2	16 "
81255	14"	16 7/16"	6"	1	12 "

Order by Number.



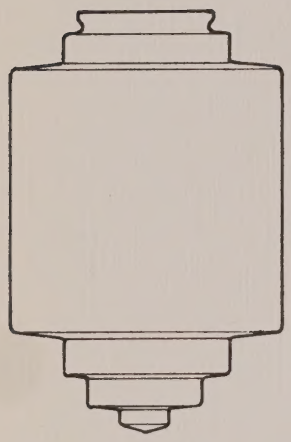
Scale ¼ full size
(12" globe)

B-49-12-39
Litho in U.S.A.

ENCLOSING GLOBES

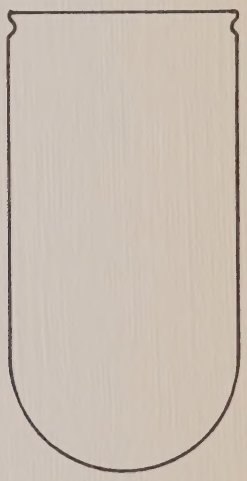
For Fluorescent and Incandescent Lamps

These deep enclosing globes are most suitable for fluorescent lamps. Unusual lighting is produced by two or more contrasting colored lamps used inside these globes.



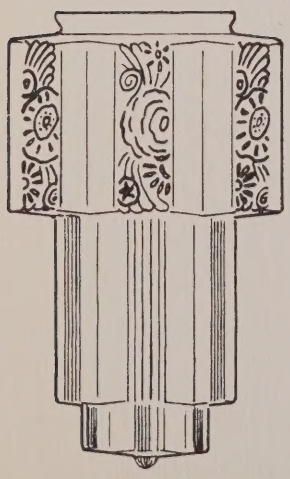
CYLINDRIC GLOBE
Monax

Number	*Diameter*	*Depth*	*Fitter*
81019	12	$18\frac{7}{16}$"	6
81003	14	$22\frac{1}{2}$	8



ROMANESQUE STALACTITE
Monax

Number	*Diameter*	*Depth*	*Fitter*
82574	9	18	9
82578	10	20	10



MODERNISTIC GLOBE
Monax

Number	*Diameter*	*Depth*	*Fitter*
81008	12	20	8
81009	16	27	12

Order by number.

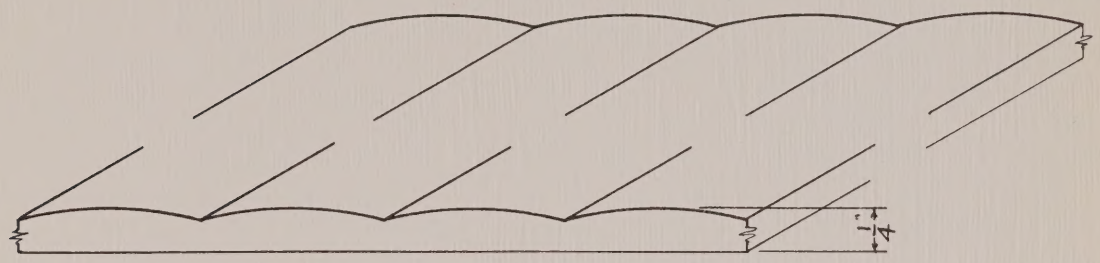
Scale 1/8 full size

MACBETH-EVANS DIVISION, CHARLEROI, PA.

B-49-12-39
Litho in U.S.A.

SHEET GLASS

For Lighting Fixtures or Built-in Lighting Using Fluorescent or Incandescent Lamps

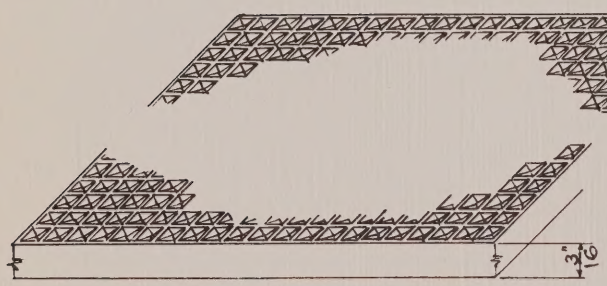


Fluted Pattern

Clear glass — clear face — matted back

Number 90880	8" wide	72" long
Number 90881	12" wide	72" long

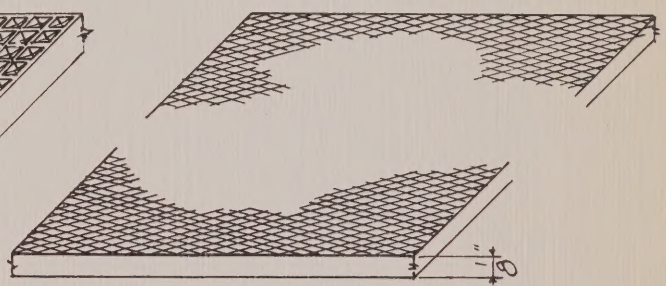
Packed in standard wood box of 15 pieces.
Lengths other than 72" are special.



Diamond Pattern

Clear glass — clear face — matted back

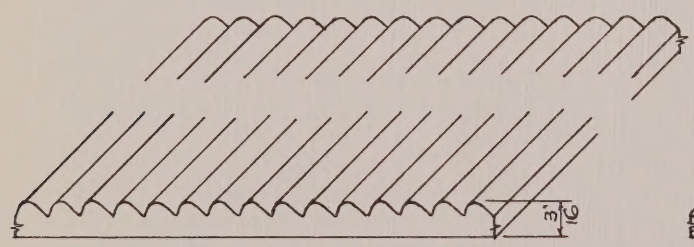
Number 90882	8" wide	72" long
Number 90883	12" wide	72" long



Pebbled Pattern

Clear glass — clear face — matted back

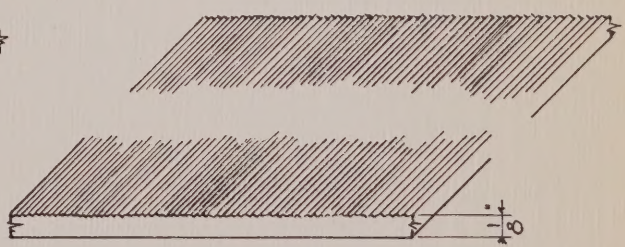
Number 90884	8" wide	72" long
Number 90885	12" wide	72" long



Prism Pattern

Clear glass — clear face — matted back

Number 90886	8" wide	72" long
Number 90887	12" wide	72" long



Ribbed Pattern

Clear glass — clear face — matted back

Number 90888	8" wide	72" long
Number 90889	12" wide	72" long

To order: Give number.

Packed in standard wood box of 15 pieces.

Cross Section full size

MACBETH-EVANS DIVISION, CHARLEROI, PA.

B-49-12-39
Litho in U.S.A.

TUBES AND RODS

For Fluorescent and Incandescent Lamps

Unusual and spectacular lighting fixtures can be designed using rods and tubes. Clear and colored tubes are particularly valuable for creating fixtures or displays designed around the new fluorescent lamps. A wide range of sizes and colors is offered.

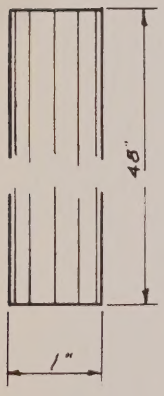
CORNING* TUBES

STOCK GLASSES

Clear glass, Canary Yellow, Amber, Noviol (Yellow), Red, Blue Green, Blue and Opal.

Diameter Approx.	*Approximate Wall Thickness*	*Lengths*	*Packed*	*Feet Per Pound Approximate*
6mm (1/4")	.055"	46" – 48"	50#	21'
9mm (3/8")	.055"	46" – 48"	50#	14'
12mm (1/2")	.055"	46" – 48"	50#	11'
15mm (5/8")	.055"	46" – 48"	50#	8'
19mm (3/4")	.055"	46" – 48"	35#	6'
25mm (1")	.055"	46" – 48"	35#	5'

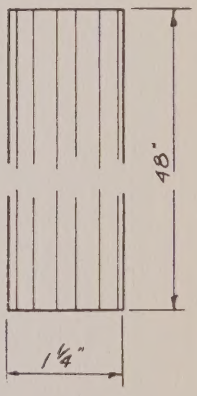
To order: Give diameter and glass.



PYREX* RODS AND FLUTED TUBES

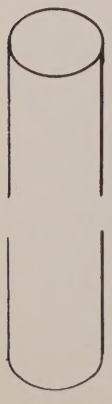
Tubes and rods made from PYREX brand illuminating glass have been widely used for special lighting fixture designs; also in combination with various architectural panels. Standard finish is clear all over with the ends ground.

To order: Give number and length.



Number 90646

Number 90647



PYREX* RODS

Diameter	*Lengths*	*Packed*	*Feet per Pound Approximate*
1/4'	36"	50#	25'
1/2'	36"	50#	5'
3/4'	36"	50#	2'
1"	36"	50#	1 1/3'
1 1/2'	36"	50#	5/8'
2"	36"	50#	1/3'

To order: Give diameter.

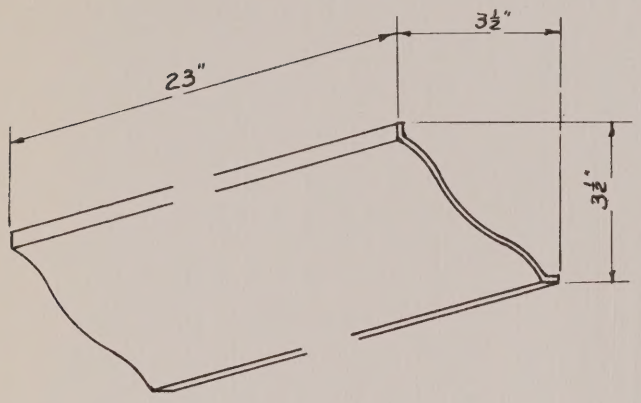
*T. M. Reg. U.S. Pat. Off.

MACBETH-EVANS DIVISION, CHARLEROI, PA.

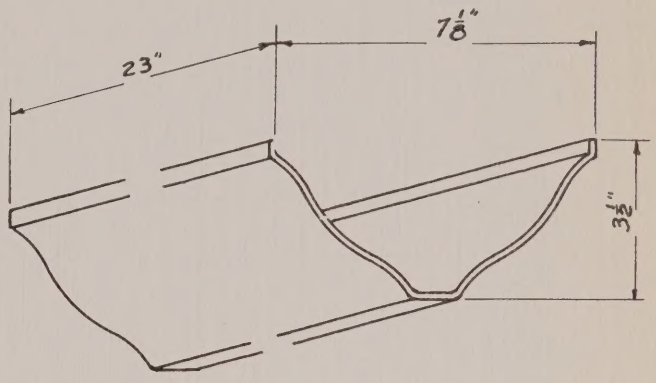
B-49-12-39
Litho in U.S.A.

COVE STRIP AND TROUGHS

For Fluorescent and Incandescent Lamps



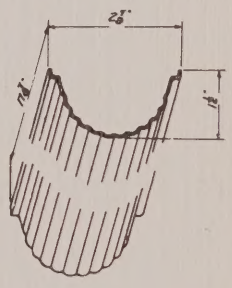
Number 90721
Monax white diffusing glass
Standard length 23"



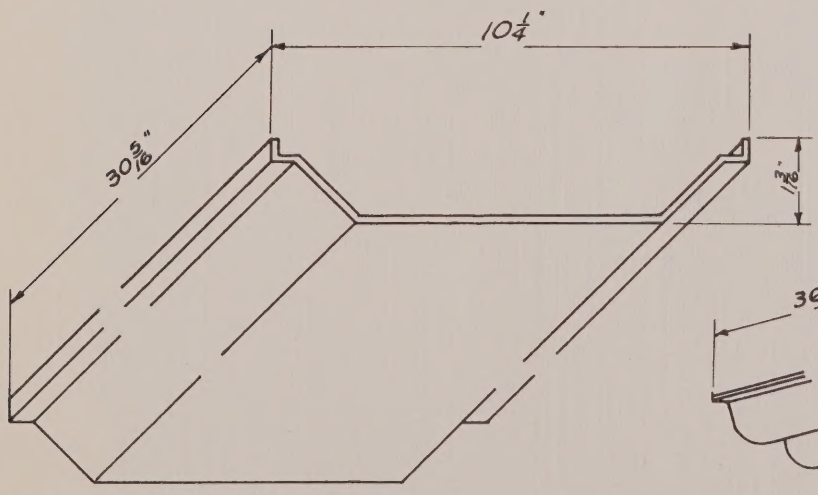
Number 90722
Monax white diffusing glass
Standard length 23"

These light weight blown trough and strip pieces are offered for special luminaire design, intermittent or continuous cove lighting; soffit or suspended trough lighting; wall pockets and brackets. They are particularly suitable for use with the new fluorescent lamps.

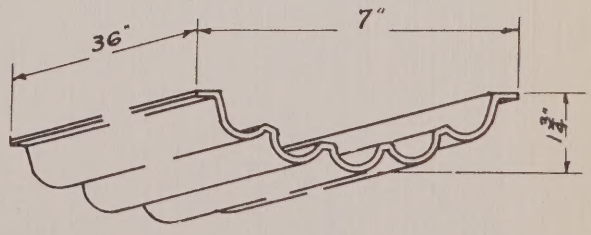
To order: Give number and glass, also length if other than standard.



Monax white diffusing glass
Number 90795 12⅞" long
Number 90796 17⅞" long



Number 90723
Monax white diffusing glass
Standard length 30 3/16"



Number 90392
PYREX brand illuminating glass
Matted back — clear face
Standard length 36"

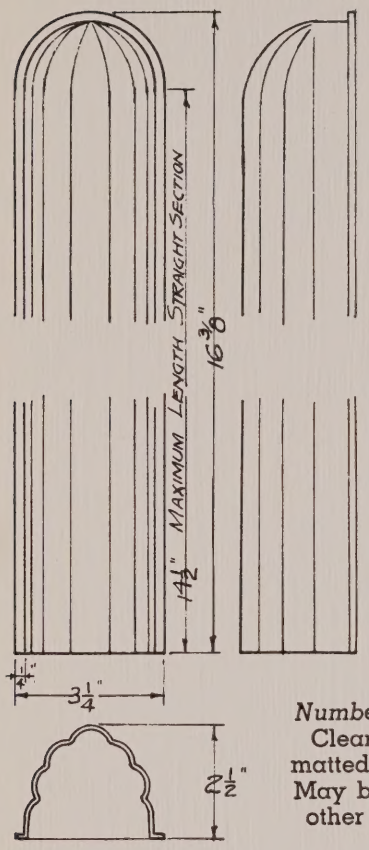
Scale ¼ full size

MACBETH-EVANS DIVISION, CHARLEROI, PA.

B-49-12-39
Litho in U.S.A.

COVE PANELS

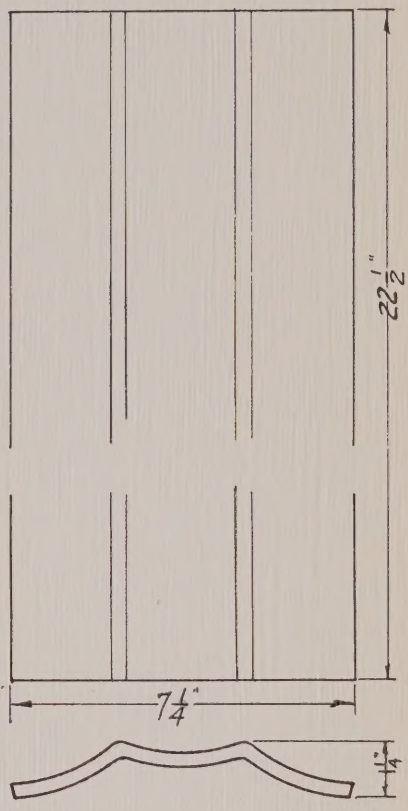
For Fluorescent and Incandescent Lamps



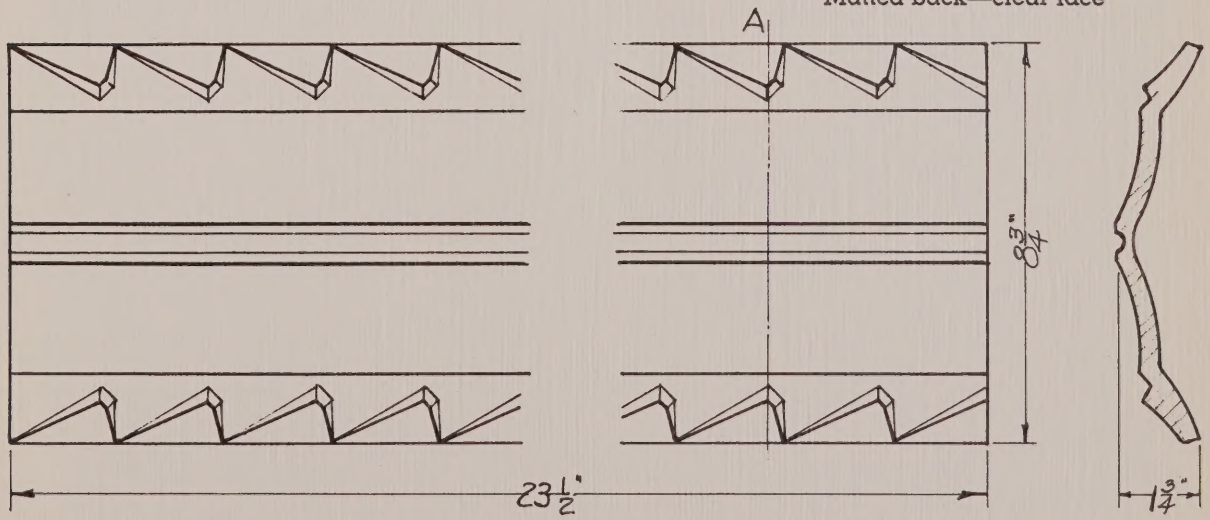
Number 90077
Clear glass matted outside. May be cut to other length.

To order:
Give number and length desired if other than standard.

Specify finish if other than standard.



Number 90078
PYREX brand illuminating glass
Matted back—clear face



Number 90079 PYREX brand illuminating glass—matted back—clear face

Section on A

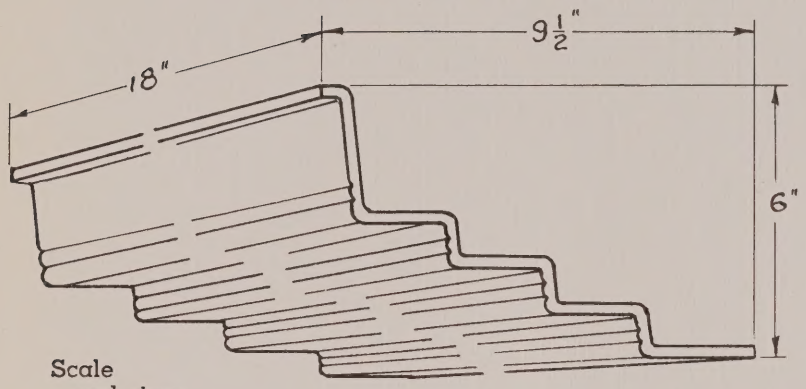
Scale ¼ full size

MACBETH-EVANS DIVISION, CHARLEROI, PA.

B-49-12-39
Litho in U.S.A.

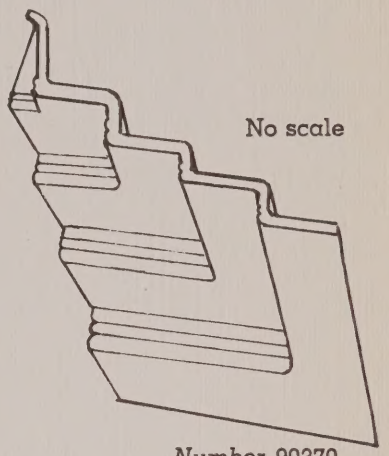
CYLINDER, TROUGH AND COVE STRIPS

For Fluorescent or Incandescent Lamps



Scale
end view
to ¼ full size

Number 90369
Cove Strip



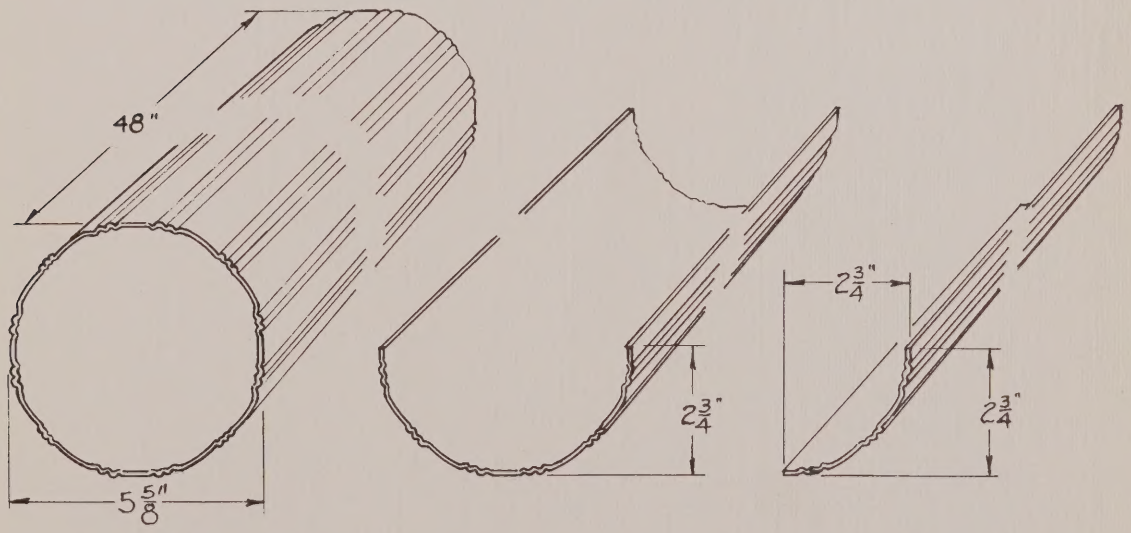
No scale

Number 90370
Matched Corner Piece

PYREX brand illuminating glass — matted all over

MATCHED FLUTED CYLINDER, TROUGH AND COVE STRIP

Clear glass matted background — lines clear — for fluorescent lamps.
Monax glass for incandescent lamps.



Fluted Cylinder
Number 90051

Fluted Trough
Number 90052

Fluted Cove Strip
Number 90053

Monax glass or clear glass with matted background
and clear lines

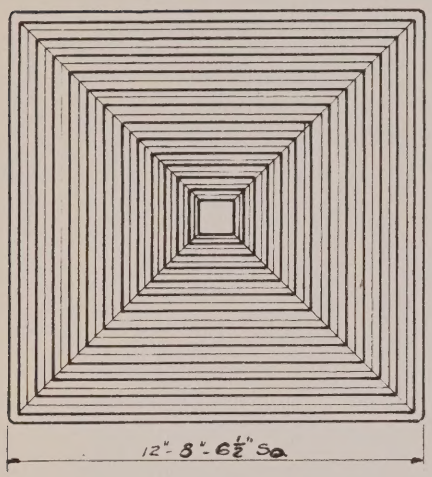
Please specify glass and length if other than the 48" maximum

MACBETH-EVANS DIVISION, CHARLEROI, PA.

B-49-12-39
Litho in U.S.A.

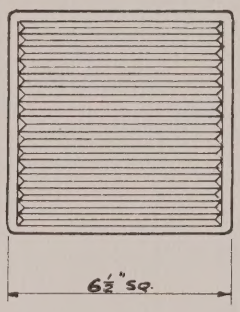
ILLUMINATING PLATES

For Fluorescent or Incandescent Lamps



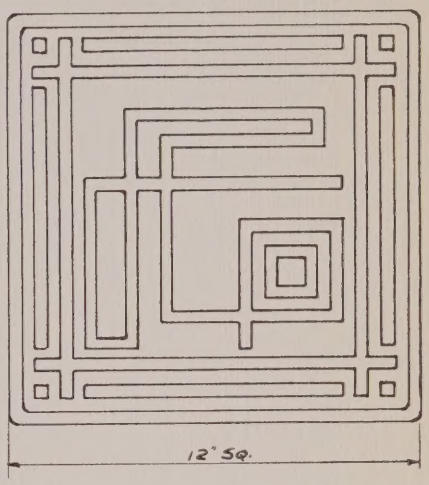
Number	Side	Thickness
90731	6½"	¼" flange
90732	8"	¼" flange
90733	12"	¼" flange

Clear glass or clear with matted face — clear back or Alba diffusing glass



Number	Side	Thickness
90730	6½"	¼" flange

Clear glass or clear with matted face — clear back.

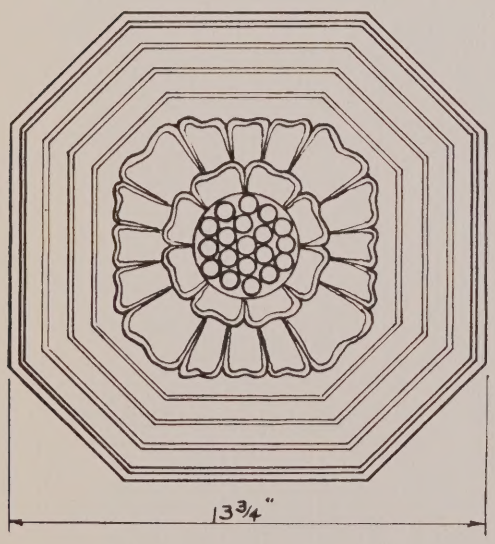


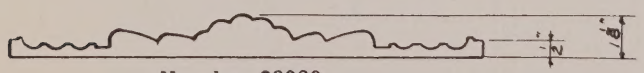
Number	Side	Thickness
90755	12"	¼" flange

Alba diffusing glass

Illuminating plates are offered for special luminaire design, flush or recessed lighting units, strip and cove lighting.

To order: Give number, glass and finish in case of 90730, 90731, 90732 and 90733.



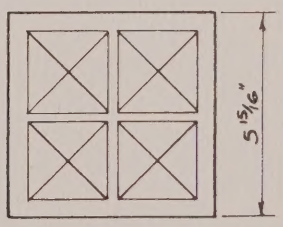


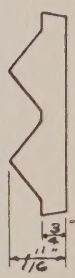
Number 90309

PYREX brand illuminating glass with matted face, back and edges. Highlights clear.

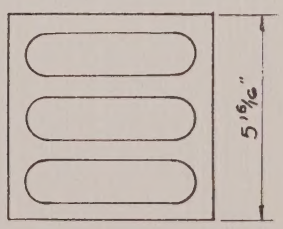
Note: Request a full size drawing for accurate dimensions.

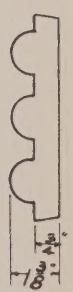
Scale ¼ full size





Number 90523





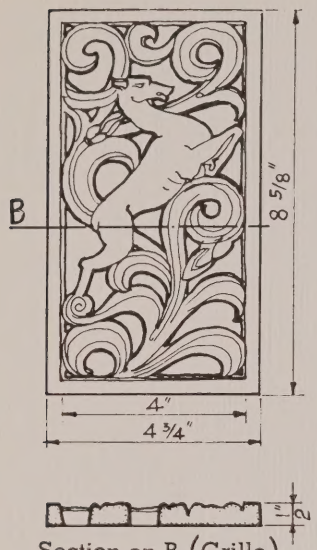
Number 90530

Number 90523 and 90530 are furnished in PYREX brand illuminating glass matted all over.

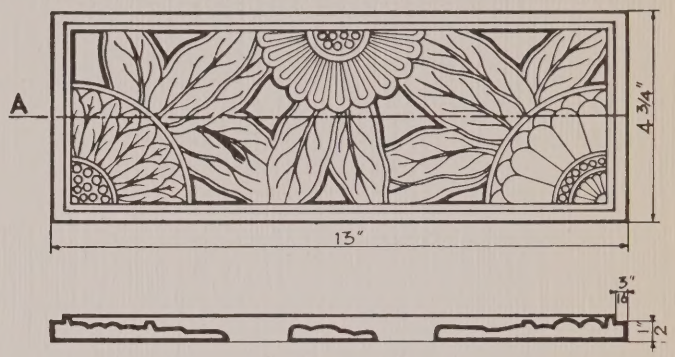
MACBETH-EVANS DIVISION, CHARLEROI, PA.

B-49-12-39
Litho in U.S.A.

GRILLES

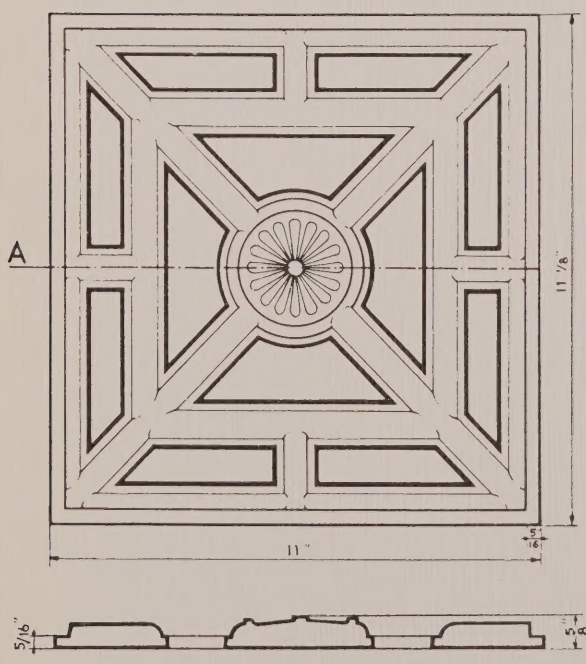


Section on B (Grille)
Number 90110
PYREX brand illuminating glass
Satin all over

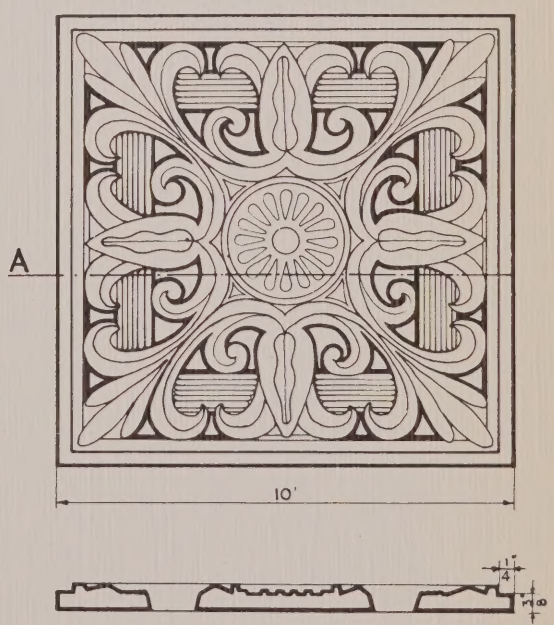


Section on A
Number 90111
Clear glass Matted all over

These grilles make it possible to combine the lighting fixture with the ventilation unit. They also are widely used for various types of decorative lighting.
(Area bounded by heavy lines in drawing is open.)



Section on A
Number 90114
PYREX brand illuminating glass
Matted all over



Section on A
Number 90115
PYREX brand illuminating glass
Matted all over

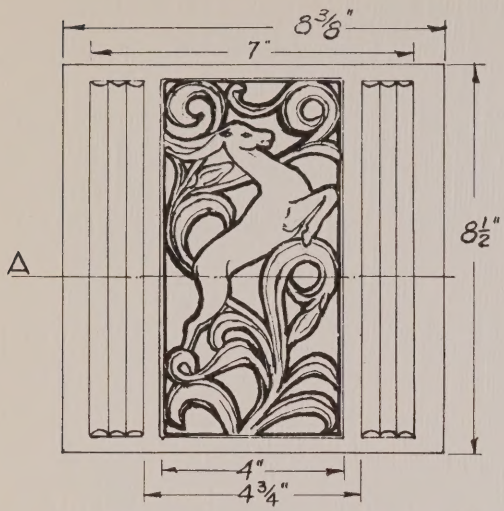
To order: Give number.

Scale ¼ full size

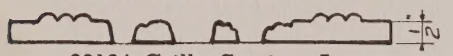
MACBETH-EVANS DIVISION, CHARLEROI, PA.

B-49-12-39
Litho in U.S.A.

MATCHED GRILLES AND PANELS

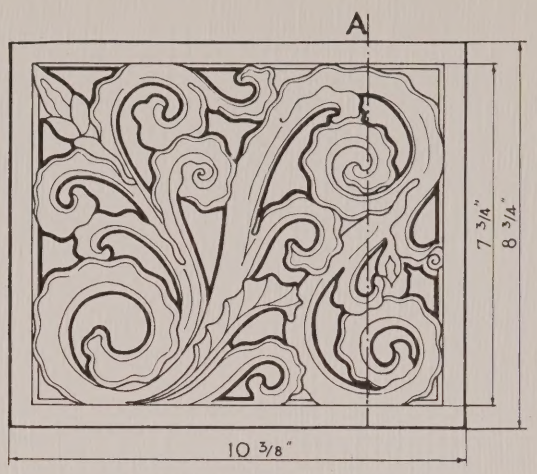


90304 Panel Section A



90104 Grille Section A

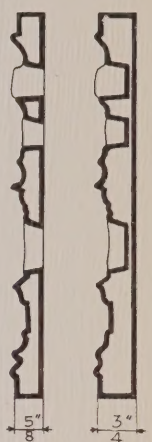
PYREX brand illuminating glass—
matted all over



Number 90332 Panel

Number 90132 Grille

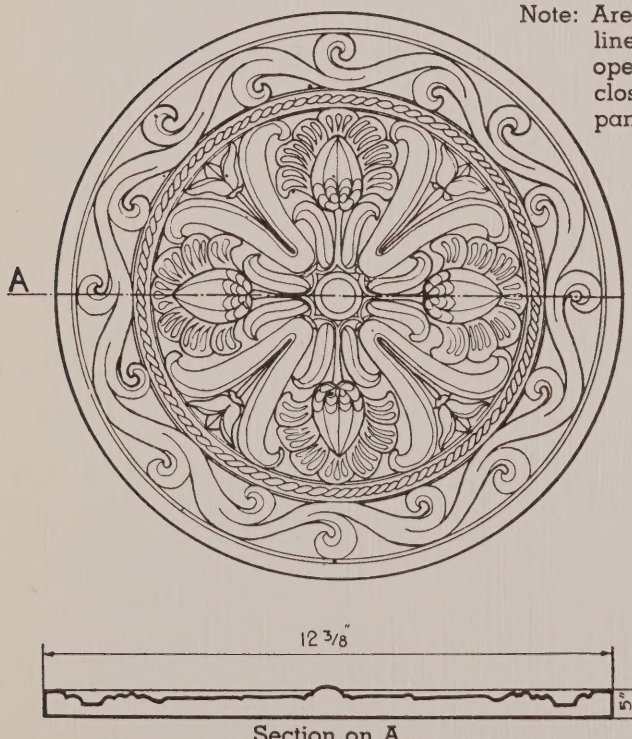
PYREX brand illuminating glass—
matted all over



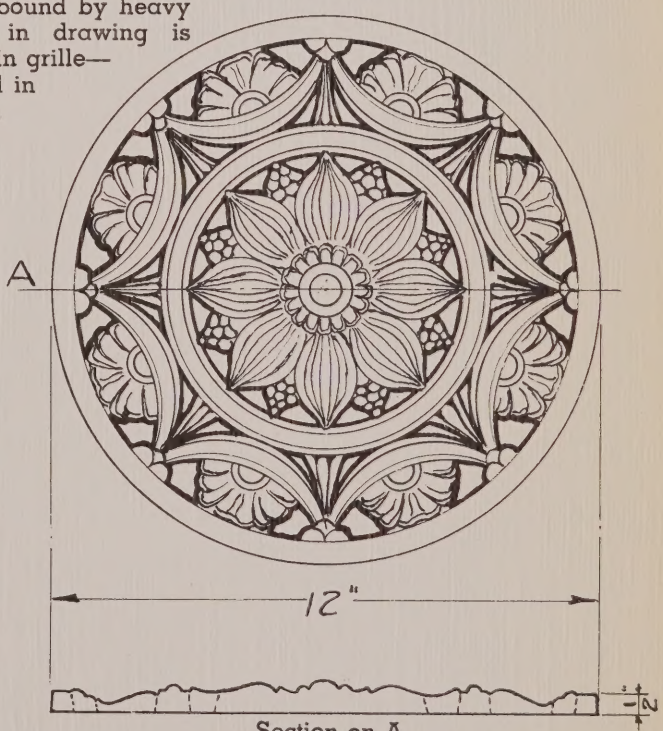
Grille Panel
Section on A

To order:
Give number.

Note: Area bound by heavy lines in drawing is open in grille—closed in panel.



Section on A
Number 90318 Panel
PYREX brand illuminating glass—matted all over



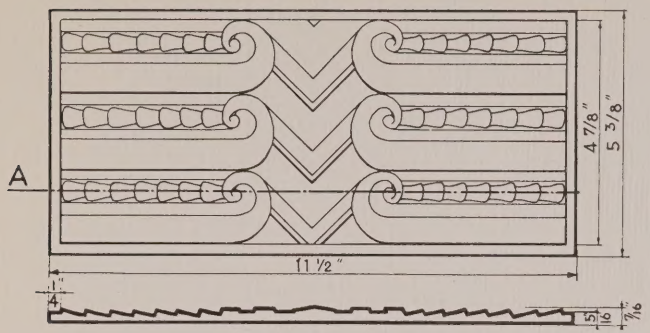
Section on A
Number 90152 Grille
PYREX brand illuminating glass—matted all over

Scale ¼ full size

MACBETH-EVANS DIVISION, CHARLEROI, PA.

B-49-12-39
Litho in U.S.A.

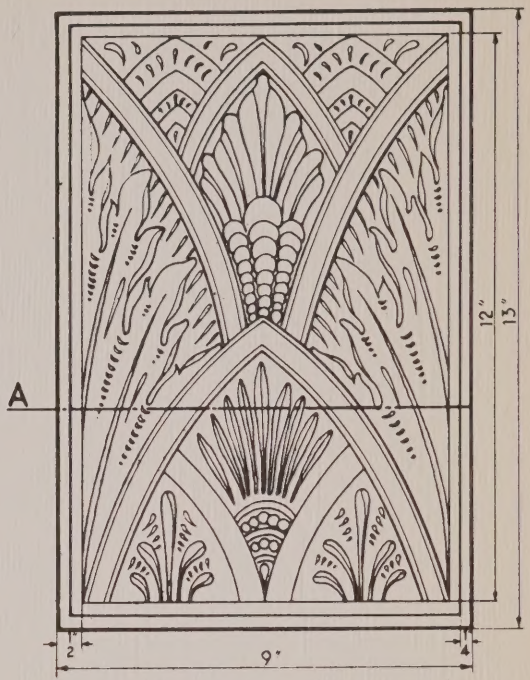
REPEAT PANELS



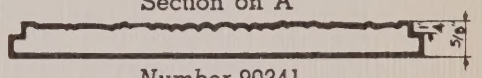
Section on A

Number 90334

PYREX brand illuminating glass—matted all over



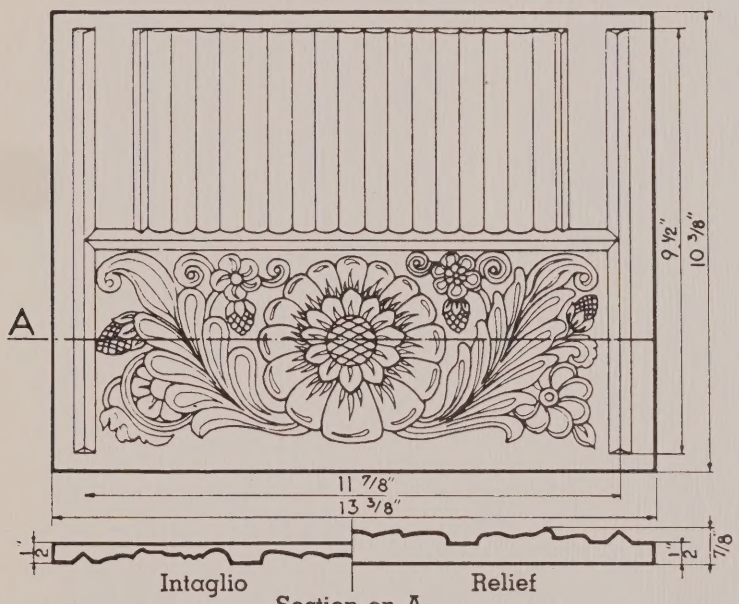
Section on A



Number 90341

PYREX brand illuminating glass

Matted back—clear face



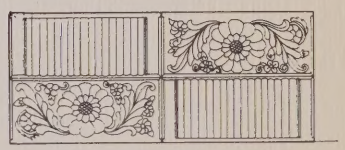
Section on A

Number 90340 Design in relief

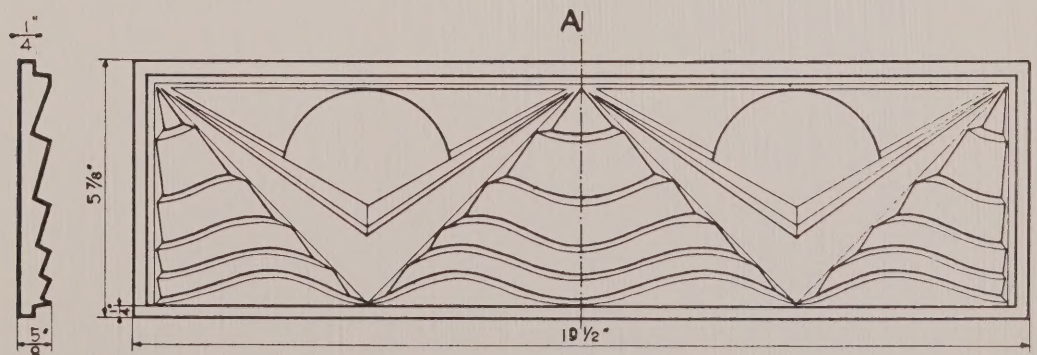
PYREX brand illuminating glass—matted face—clear high lights

Number 90440 Design in intaglio

Crystal glass—design matted—highlights clear



Sketch showing method of repeat of panels



Section on A

Number 90432

PYREX brand illuminating glass—matted back—clear face

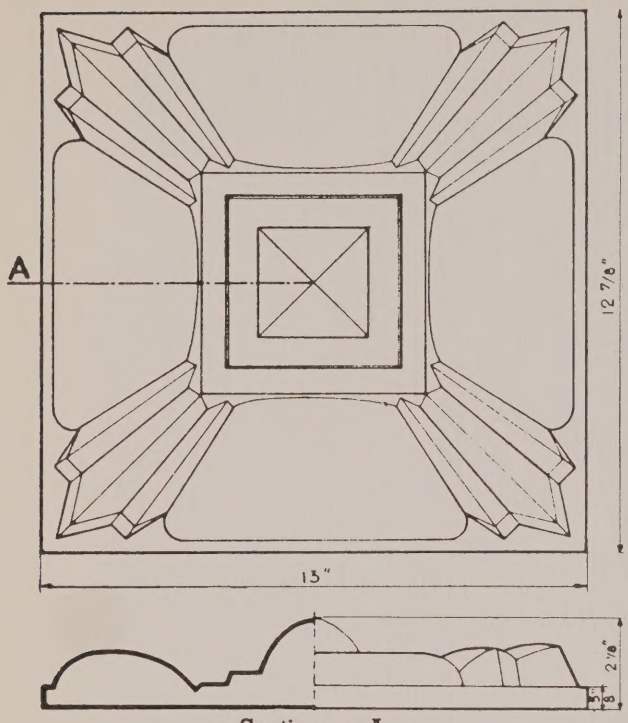
Scale ¼ full size

To order: Give number.

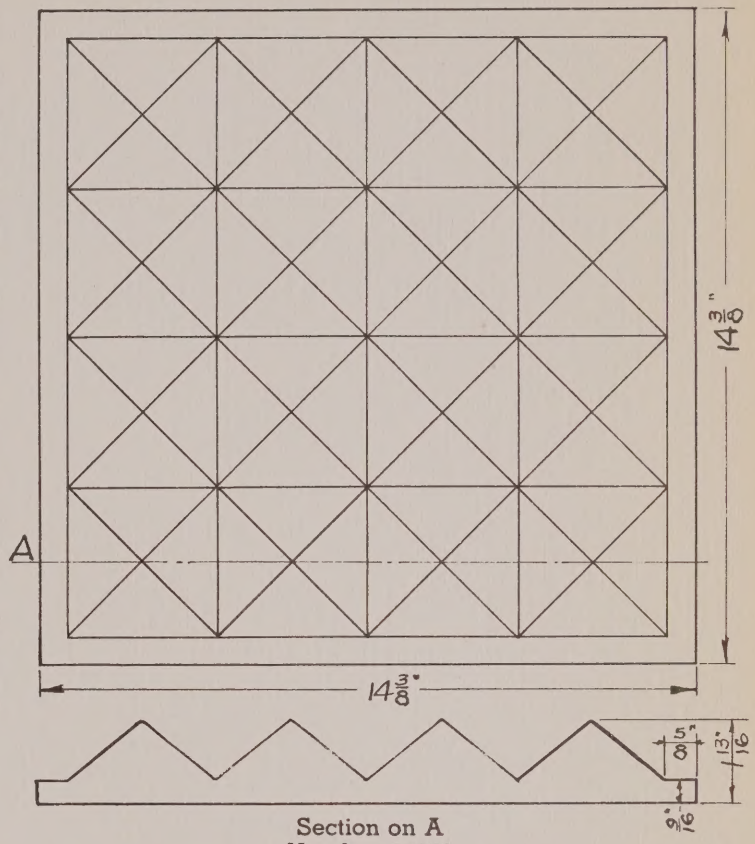
MACBETH-EVANS DIVISION, CHARLEROI, PA.

B-49-12-39
Litho in U.S.A.

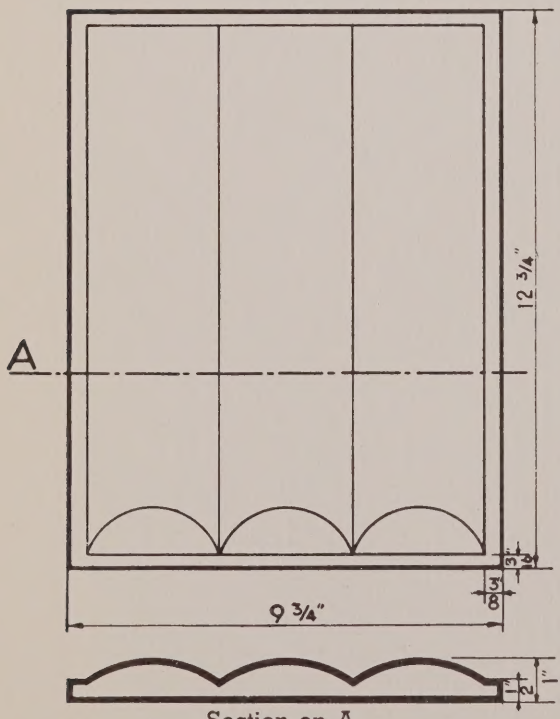
FLAT ARCHITECTURAL PANELS



Section on A
Number 90349
PYREX brand illuminating glass
Matted all over



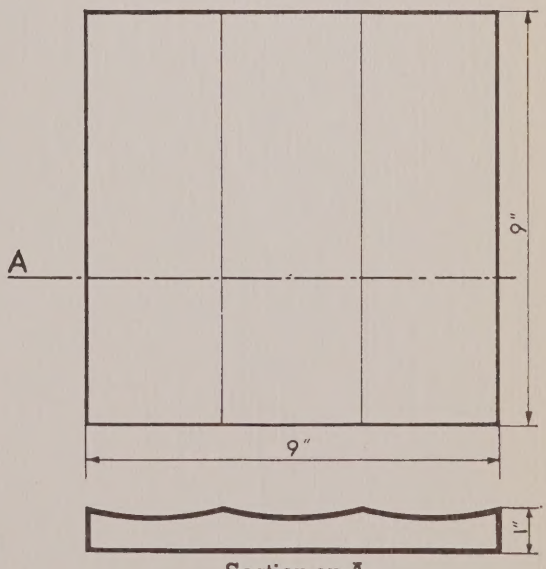
Section on A
Number 90353
PYREX brand illuminating glass
Matted back—clear face



Section on A
Number 90379
PYREX brand illuminating glass
Matted back—clear face

To order:
Give
Number
and
Details
if
Special
finish
is
desired

Scale
¼
full size



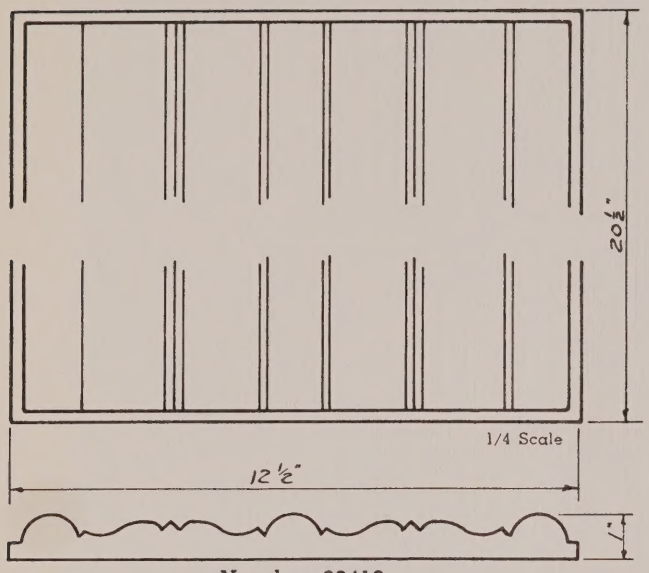
Section on A
Number 90386
PYREX brand illuminating glass
Matted back—clear face

MACBETH-EVANS DIVISION, CHARLEROI, PA.

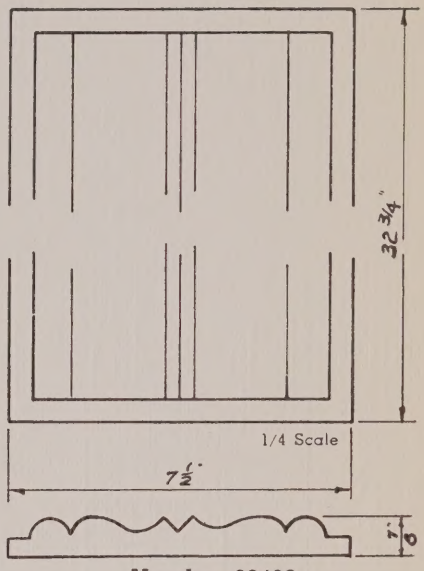
B-49-12-39
Litho in U.S.A.

FLAT ARCHITECTURAL PANELS

For Fluorescent and Incandescent Lamps



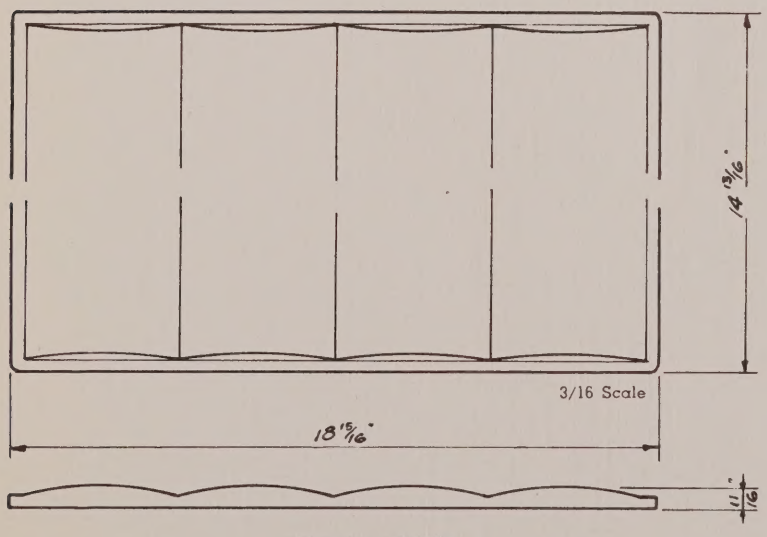
Number 90416
PYREX brand illuminating glass
Matted back — clear face



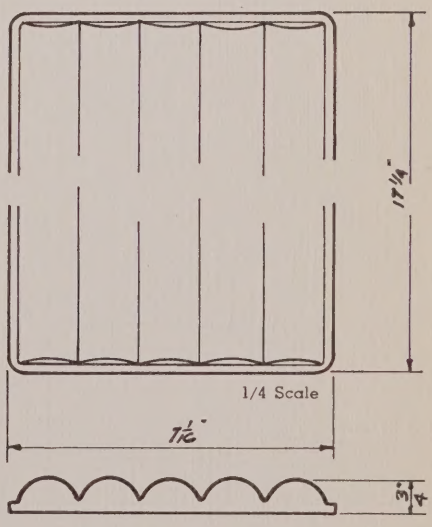
Number 90406
PYREX brand illuminating glass
Matted back — clear face

These heavy flat panels are offered for interior or exterior architectural lighting; also for special luminaire design. They are standard in the length shown but can be cut shorter if required. Shorter lengths will not be flanged on the ends.

To order: Give number. Specify lengths and finish if other than standard.



Number 90706
Clear glass matted all over



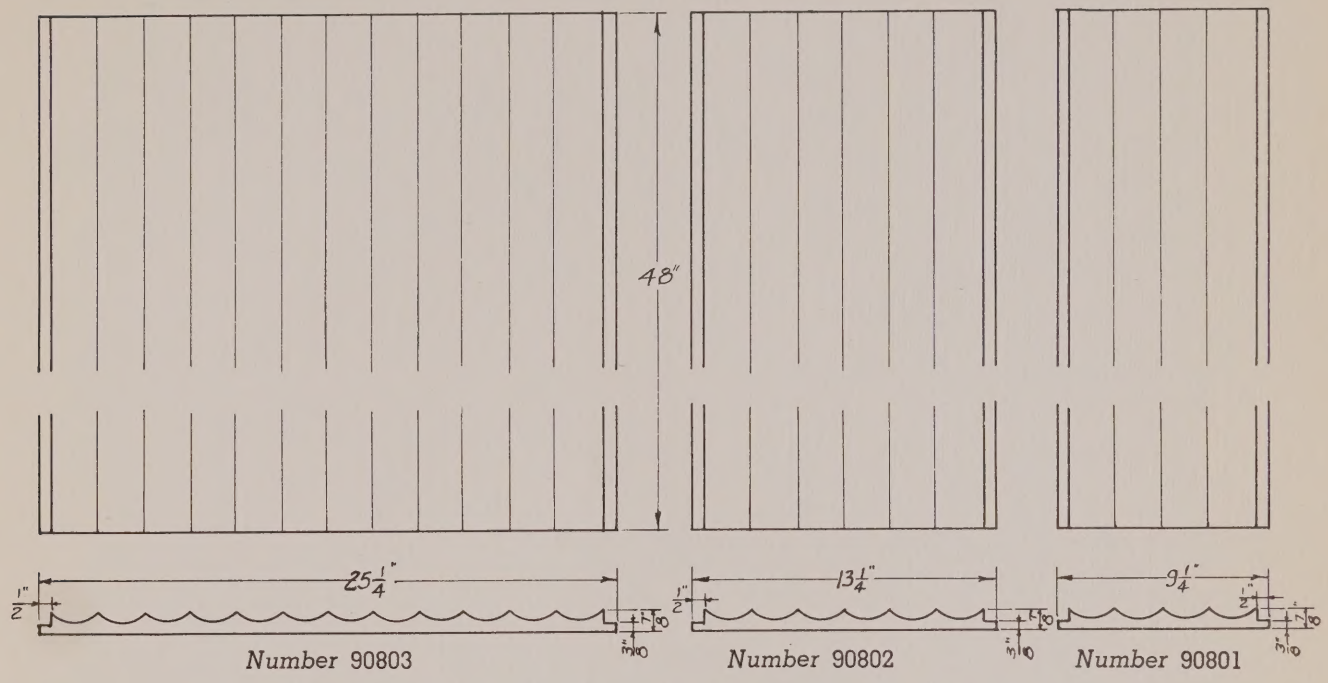
Number 90702
Clear glass matted all over

MACBETH-EVANS DIVISION, CHARLEROI, PA.

B-49-12-39
Litho in U.S.A.

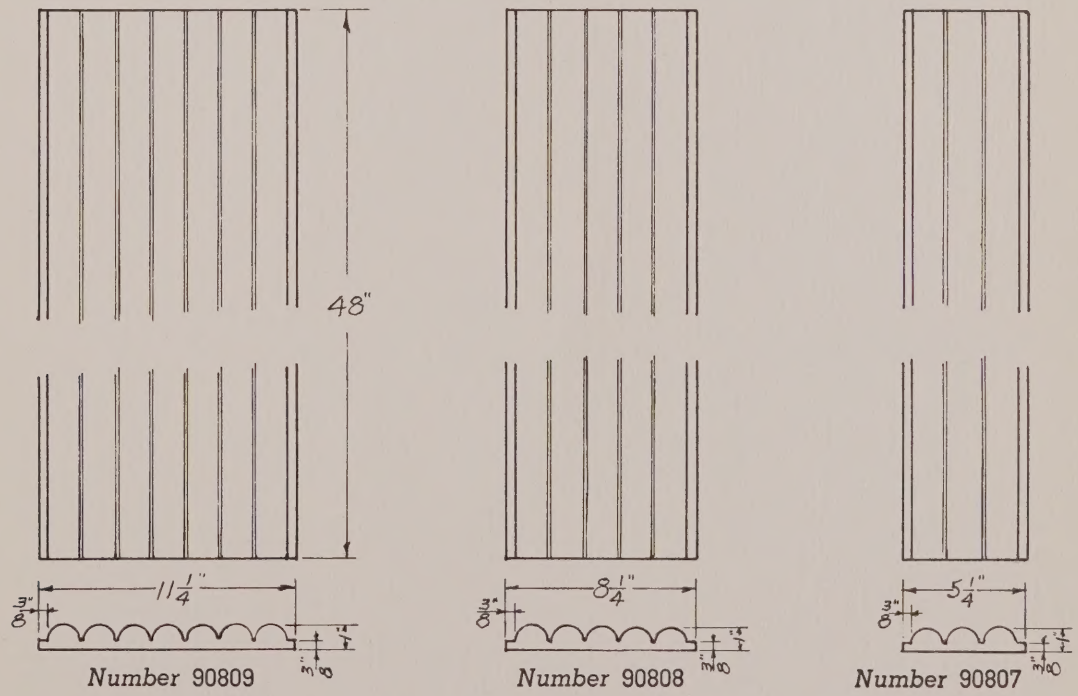
LONG FLAT ARCHITECTURAL PANELS

For Fluorescent or Incandescent Lamps



Number 90803 *Number 90802* *Number 90801*

Furnished in clear glass. Matted back — clear face
To order: Give number and length if other than the 48" maximum



Number 90809 *Number 90808* *Number 90807*

Furnished in clear glass. Matted back — clear face

To order: Give number and length if other than the 48" maximum

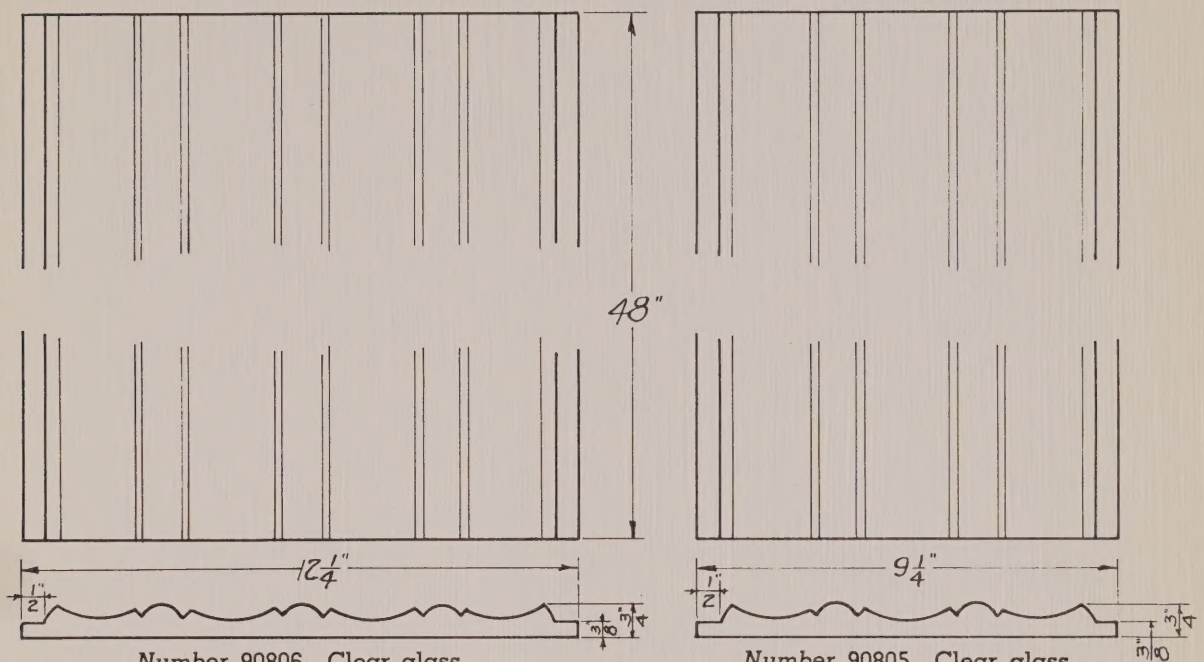
Scale ⅛ full size

MACBETH-EVANS DIVISION, CHARLEROI, PA.

B-49-12-39
Litho in U.S.A.

LONG FLAT ARCHITECTURAL PANELS

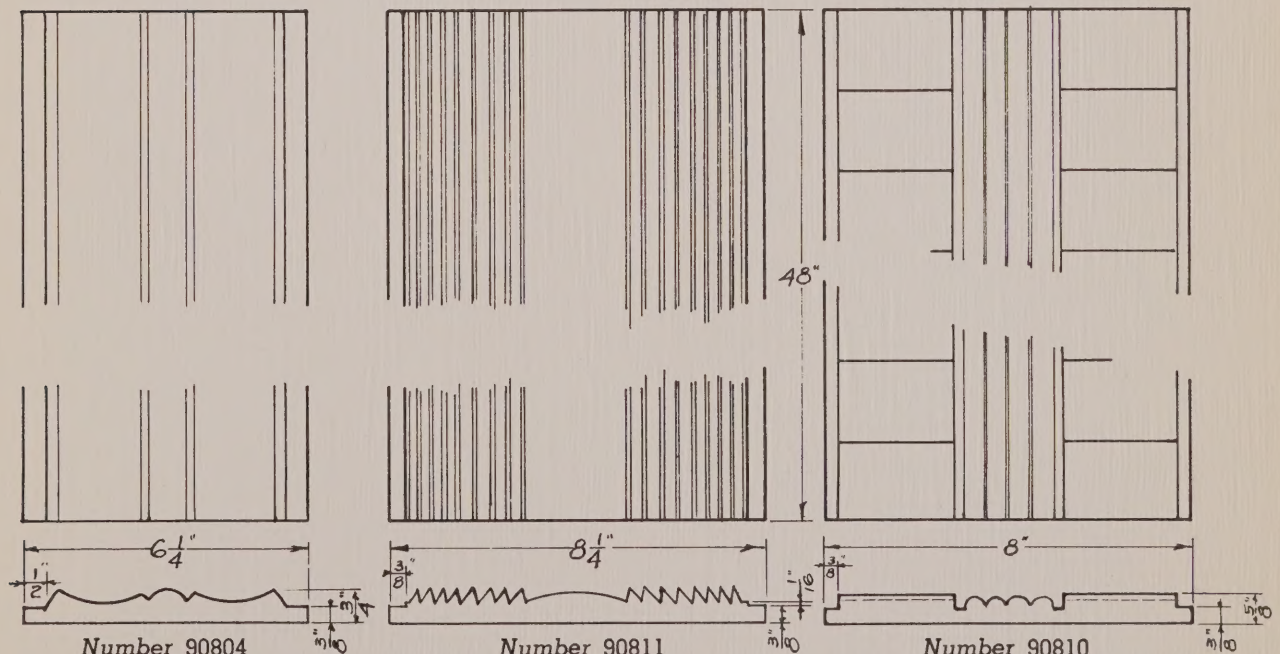
For Fluorescent or Incandescent Lamps



Number 90806 Clear glass
Matted back — clear face

Number 90805 Clear glass
Matted back — clear face

To order: Give number and length if other than the 48" maximum



Number 90804
Clear glass
Matted back
Clear face

Number 90811
Clear glass
Polished back
Clear face

Number 90810
Clear glass
Matted back
Clear face

To order: Give number and length if other than the 48" maximum

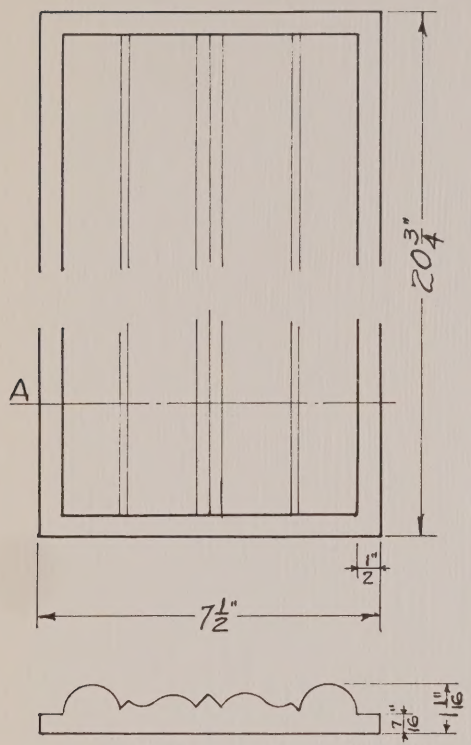
Scale ¼ full size

MACBETH-EVANS DIVISION, CHARLEROI, PA.

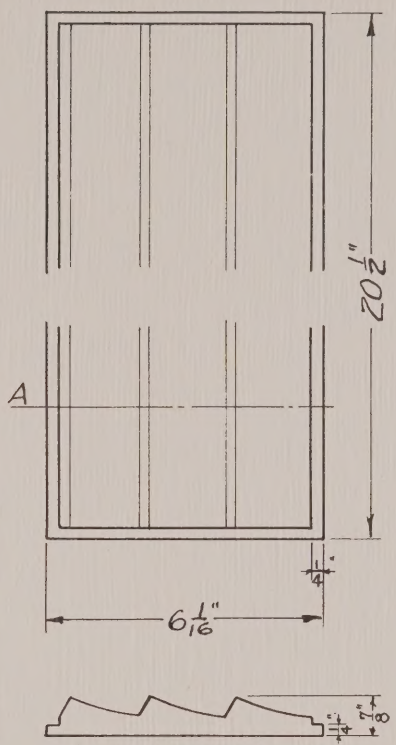
B-49-12-39
Litho in U.S.A.

LONG ARCHITECTURAL PANELS

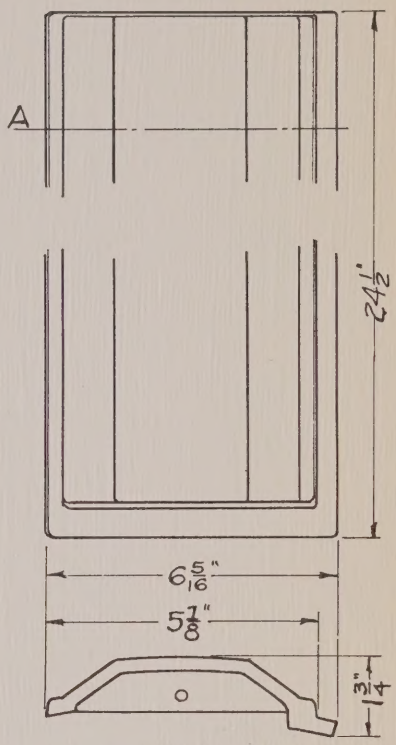
For Fluorescent or Incandescent Lamps



Section on A
Number 90351
PYREX brand illuminating glass. Matted back—clear face

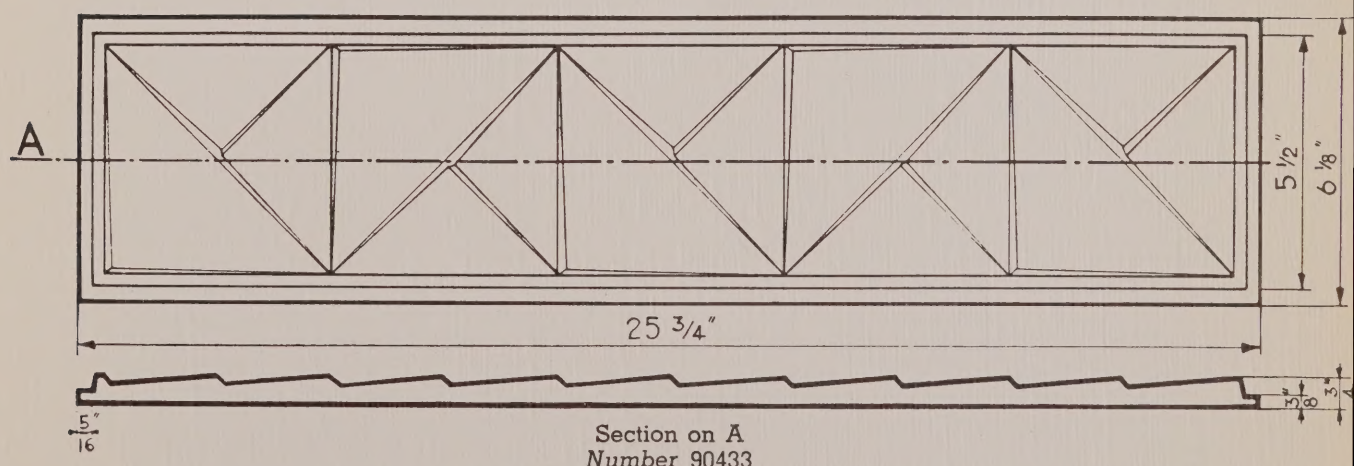


Section on A
Number 90357
PYREX brand illuminating glass. Matted all over with ribs on face clear



Section on A
Number 90701
Clear glass
Matted all over
Note side detail

To order: Give number.



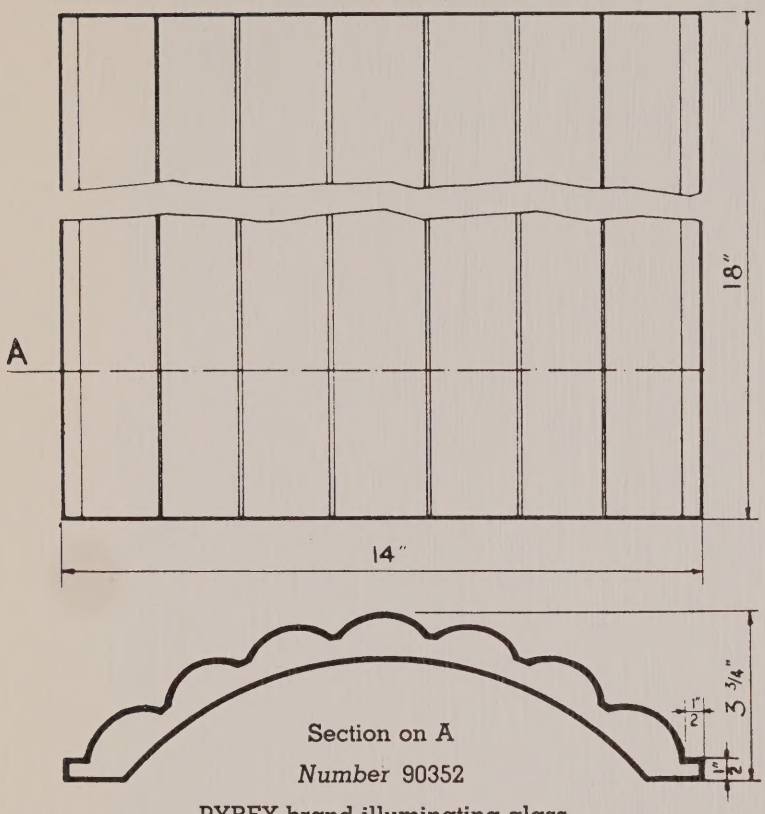
Section on A
Number 90433
PYREX brand illuminating glass. Matted back—clear face
Scale ¼ full size

MACBETH-EVANS DIVISION, CHARLEROI, PA.

B-49-12-39
Litho in U.S.A.

LARGE CURVED PANELS

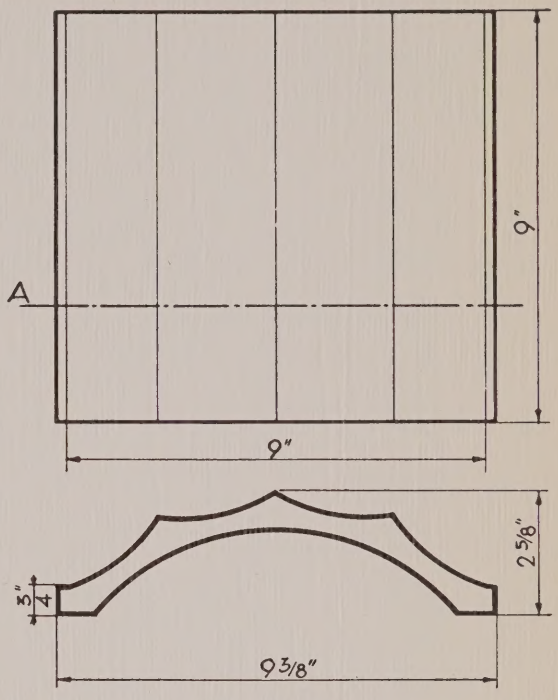
For Fluorescent or Incandescent Lamps



Section on A

Number 90352

PYREX brand illuminating glass
Matted back—clear face

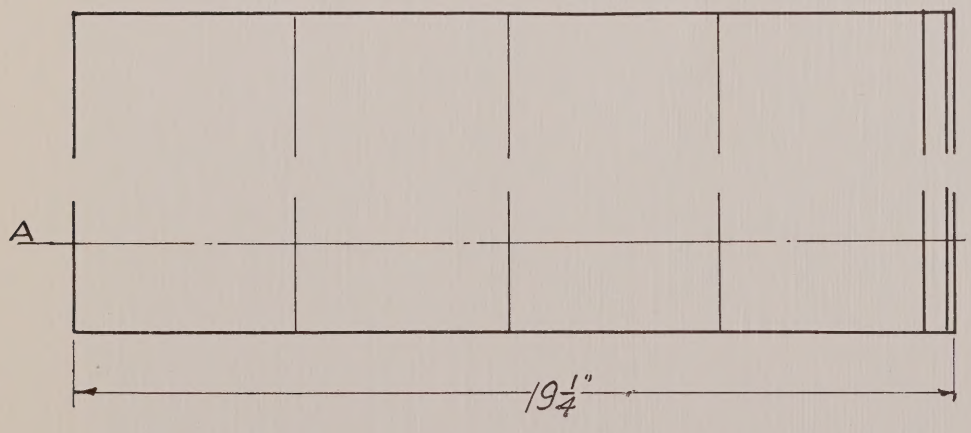


Section on A

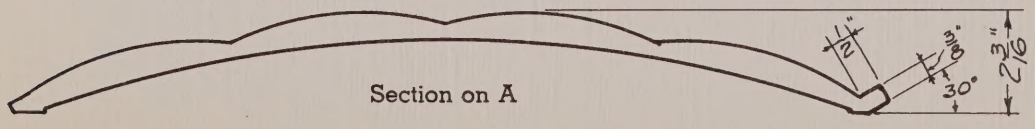
Number 90389

PYREX brand illuminating glass
Matted back — clear face

To order: Give number.
Specify lengths and finishes if other than standard



Number
90705
Clear glass
Matted
Outside



Section on A

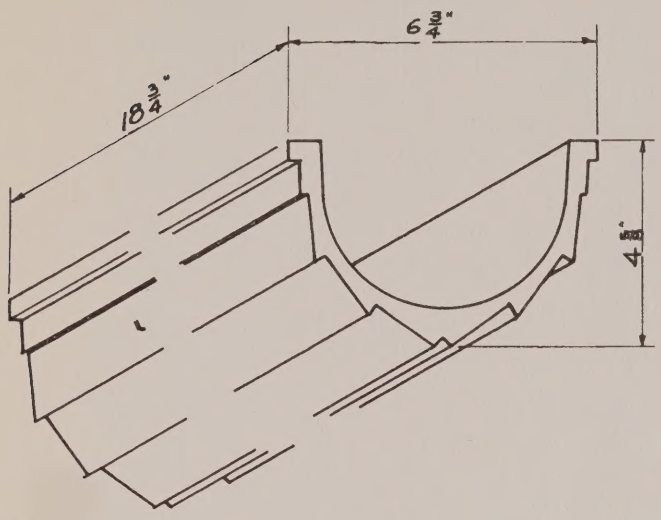
Scale
¼ full
size

MACBETH-EVANS DIVISION, CHARLEROI, PA.

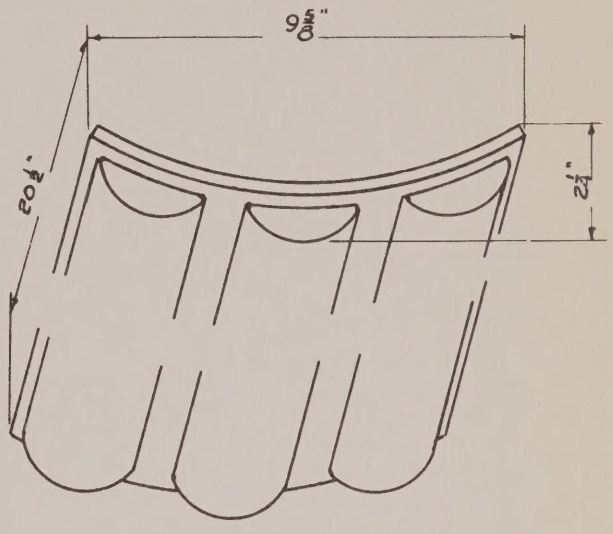
B-49-12-39
Litho in U.S.A.

CURVED ARCHITECTURAL PANELS

For Fluorescent or Incandescent Lamps



Number 90704
Clear glass matted all over

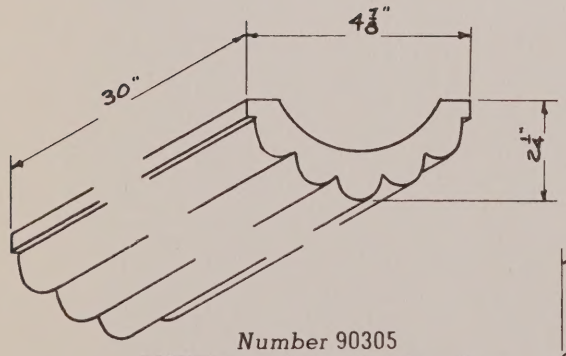


Number 90703
Clear glass matted all over

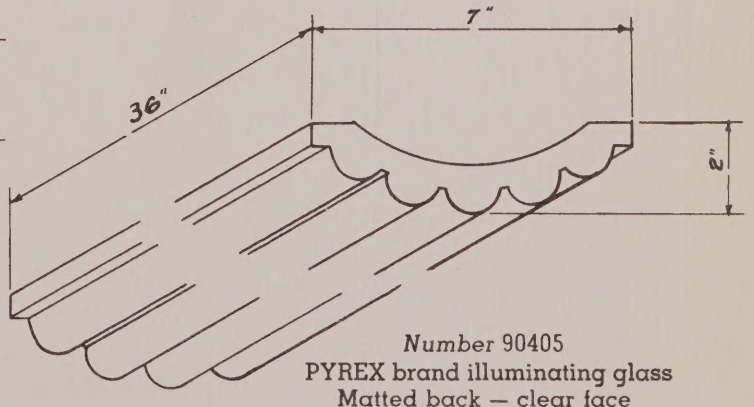
These heavy curved panels are widely used for exterior lighting effects, entrance brackets and large scale interior luminaires.

They are standard in the lengths shown but can be cut shorter if required.

To order: Give number and glass. Specify length and finish if other than standard.



Number 90305
PYREX brand illuminating glass
Matted back — clear face



Number 90405
PYREX brand illuminating glass
Matted back — clear face

Scale ¼ full size

MACBETH-EVANS DIVISION, CHARLEROI, PA.

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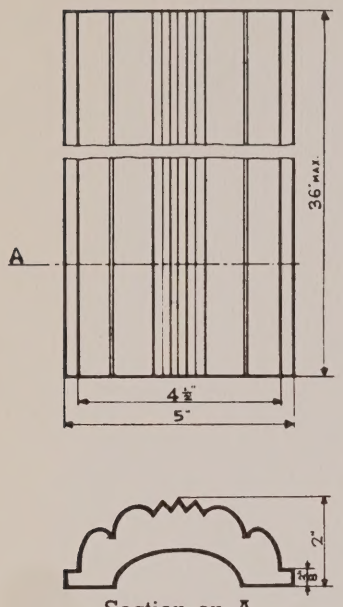
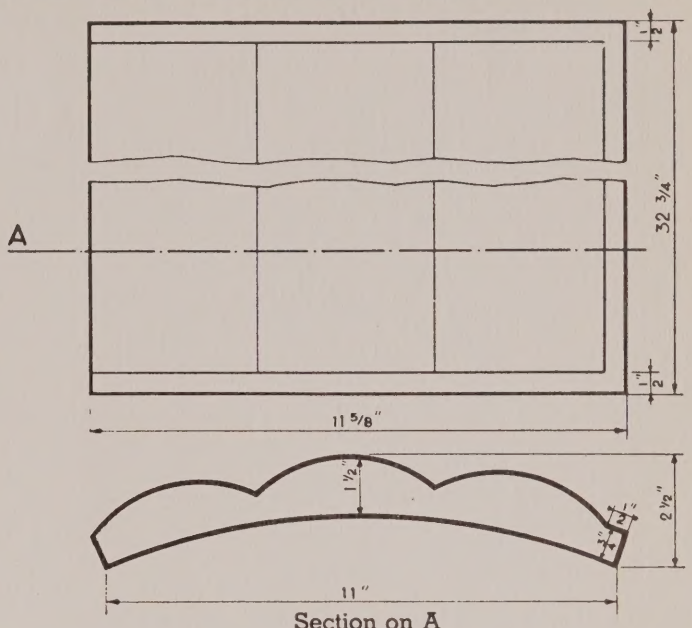
LONG CURVED PANELS

For Fluorescent or Incandescent Lamps



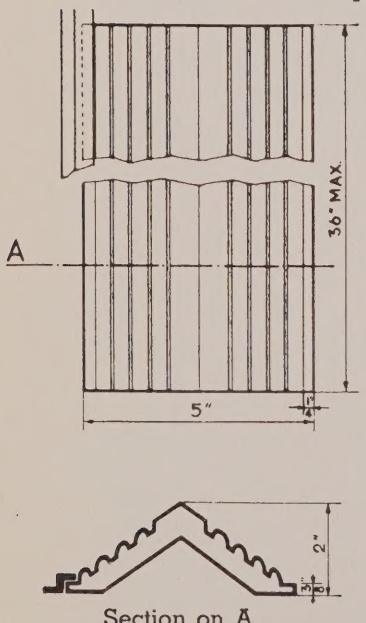
Section on A
Number 90337
PYREX brand illuminating glass
Matted back
Clear face



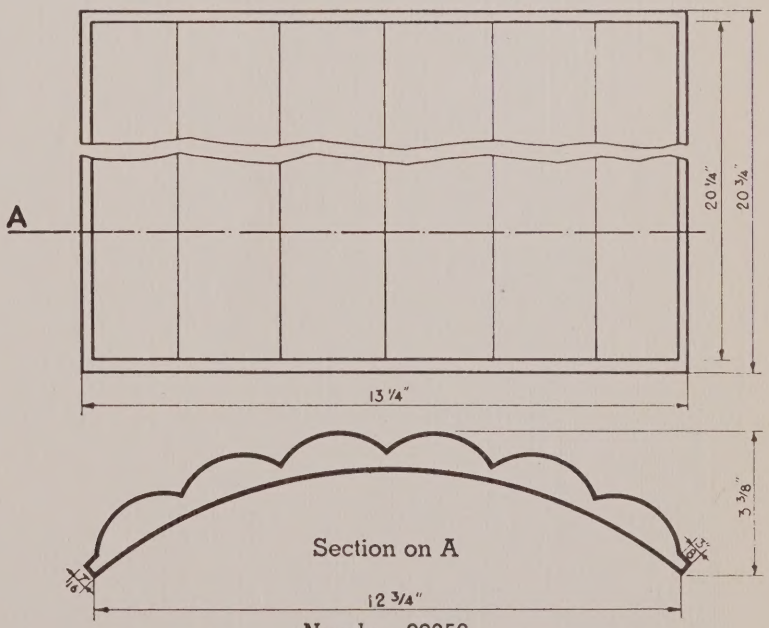
Section on A
Number 90355
PYREX brand illuminating glass
Matted back
Clear face

To order: Give number

Specify lengths and finish if other than standard



Section on A
Number 90338
PYREX brand illuminating glass
Matted back
Clear face



Section on A
Number 90356
PYREX brand illuminating glass
Matted back
Clear face

Scale ¼ full size

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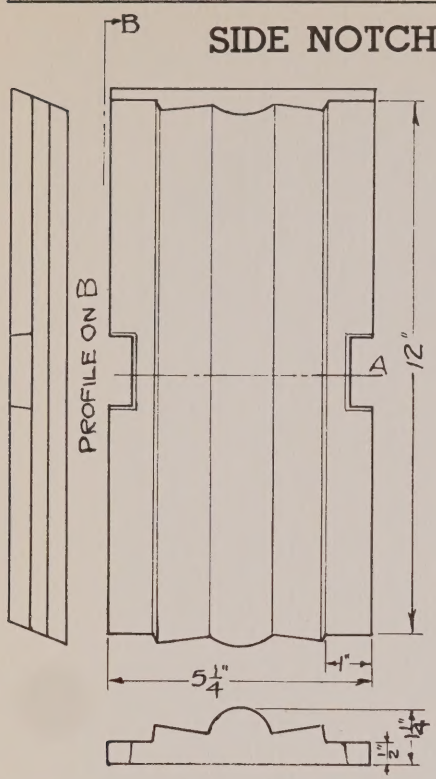
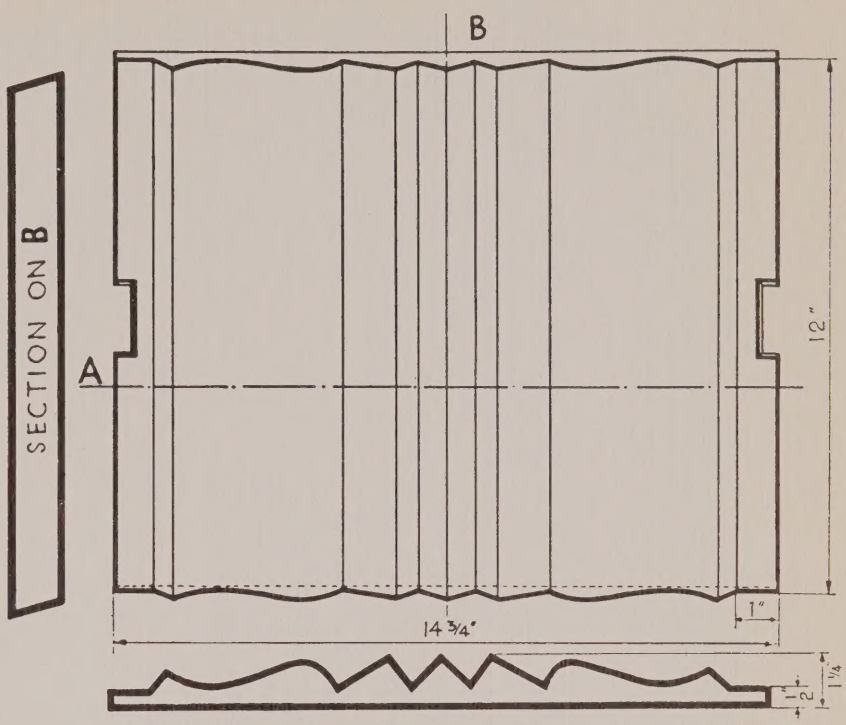
SIDE NOTCHED PANELS (For Exterior Illumination)



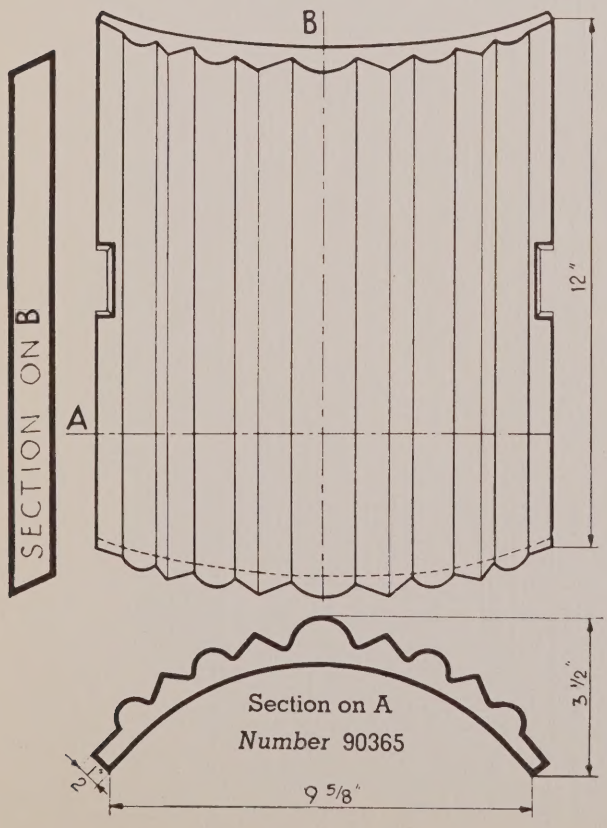
Section on A *Number* 90362
PYREX brand illuminating glass
Matted back — clear face

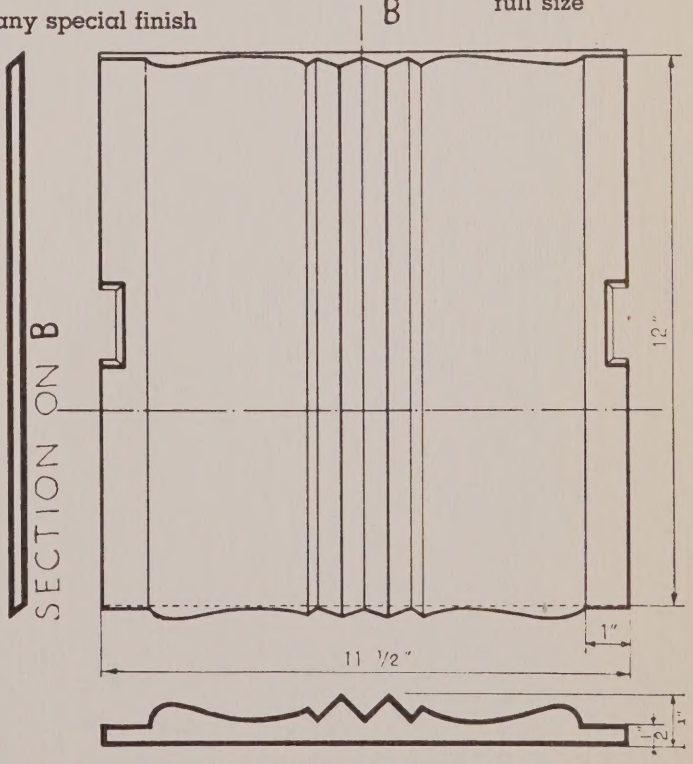


Section on A *Number* 90364
PYREX brand illuminating glass
Matted back — clear face

Scale
1/4
full size

To order: Give number and details of any special finish





Section on A *Number* 90363

Both 90364 and 90365 PYREX brand illuminating glass Matted back — clear face

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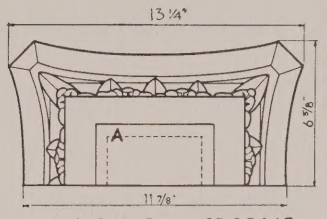
PILASTER PARTS AND MOULDINGS

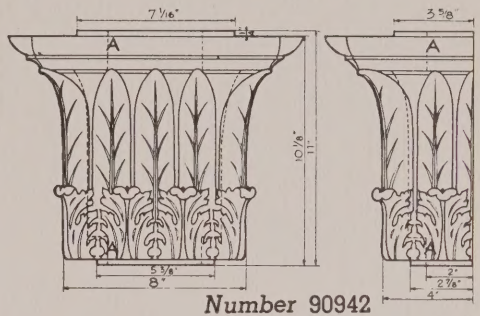
Lighting as a part of structure



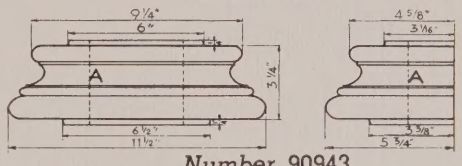
REFLECTED PLAN OF 90942

SHAPES Nos. 90942 AND 90943 ARE REGULARLY SUPPLIED WITH CLOSED ENDS AS SHOWN BUT ON SPECIAL ORDER CAN BE SUPPLIED WITH ENDS OPEN AS SUGGESTED IN DOTTED LINES ON A.

Scale 1/8 full size



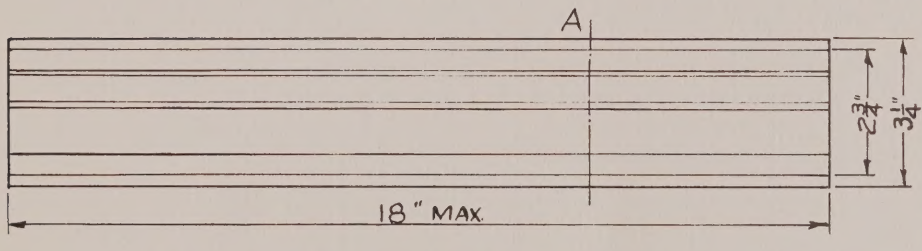
Number 90942



Number 90943

Pilaster Cap Number 90942
PYREX brand illuminating glass—matted with high lights clear

Pilaster Base Number 90943
PYREX brand illuminating glass—matted all over
To order: Give number and details of finish, special cuttings, etc.

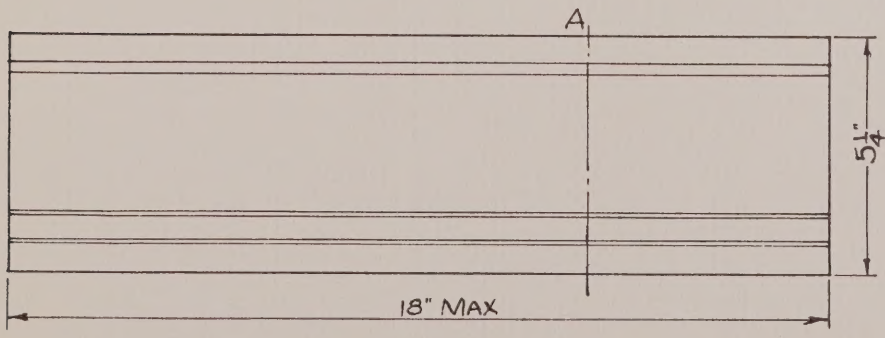


Scale 1/4 full size

Moulding Number 90295

Section on A

Clear glass — clear face — polished back



Scale 1/4 full size

Moulding Number 90296

Section on A

Clear glass — clear face — polished back

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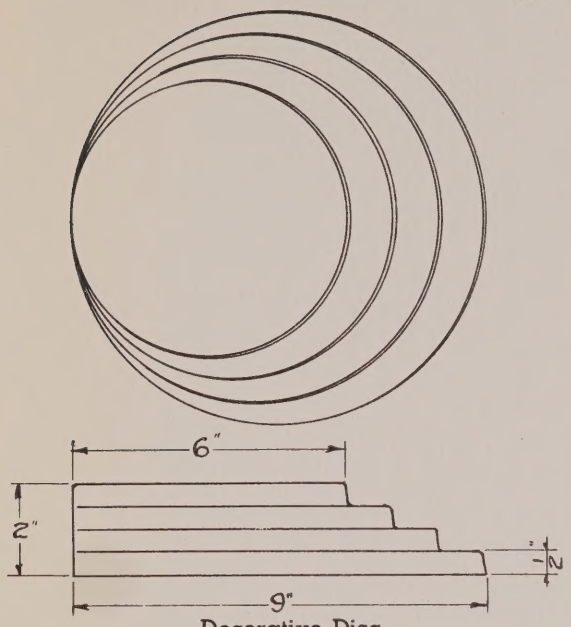
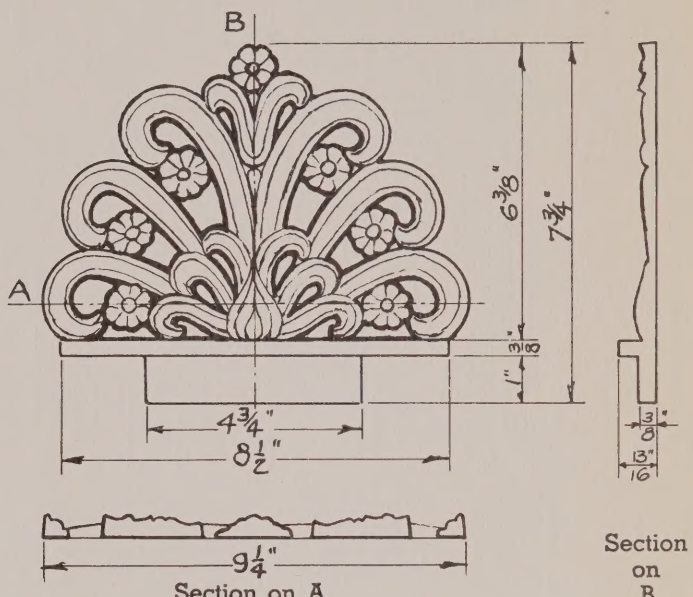
DECORATIVE PARTS

For Lighting Fixtures

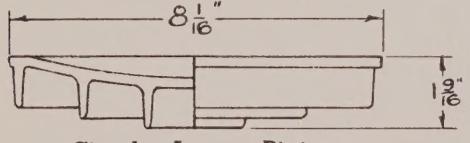


Decorative Disc
Number 90376
PYREX brand illuminating glass
Matted all over



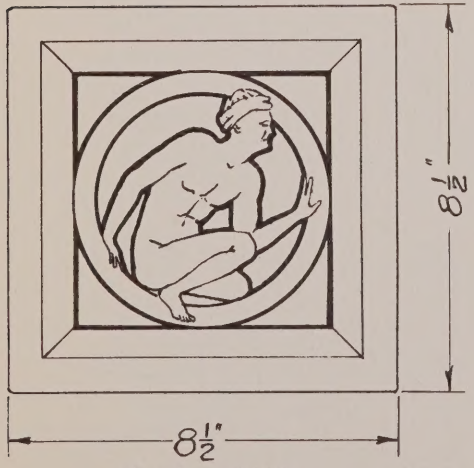
Section on A
Decorative Finial
Number 90119
Clear glass
Matted all over
(Area on drawing bounded by heavy lines is open)

Section on B



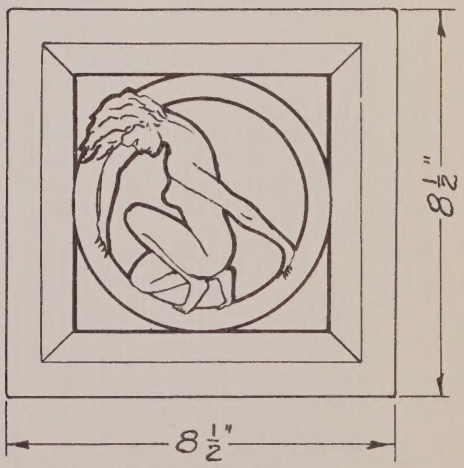
Circular Louvre Plate
Number 90751 D242
Clear glass with white enamel on risers

To order: Give number.



Number 90118

Grilles
for decorative lighting
PYREX brand illuminating glass. Matted all over.
Area on drawing bounded by heavy lines is open.
Maximum thickness 3/4"



Number 90102

Scale ¼ full size

B-49-12-39
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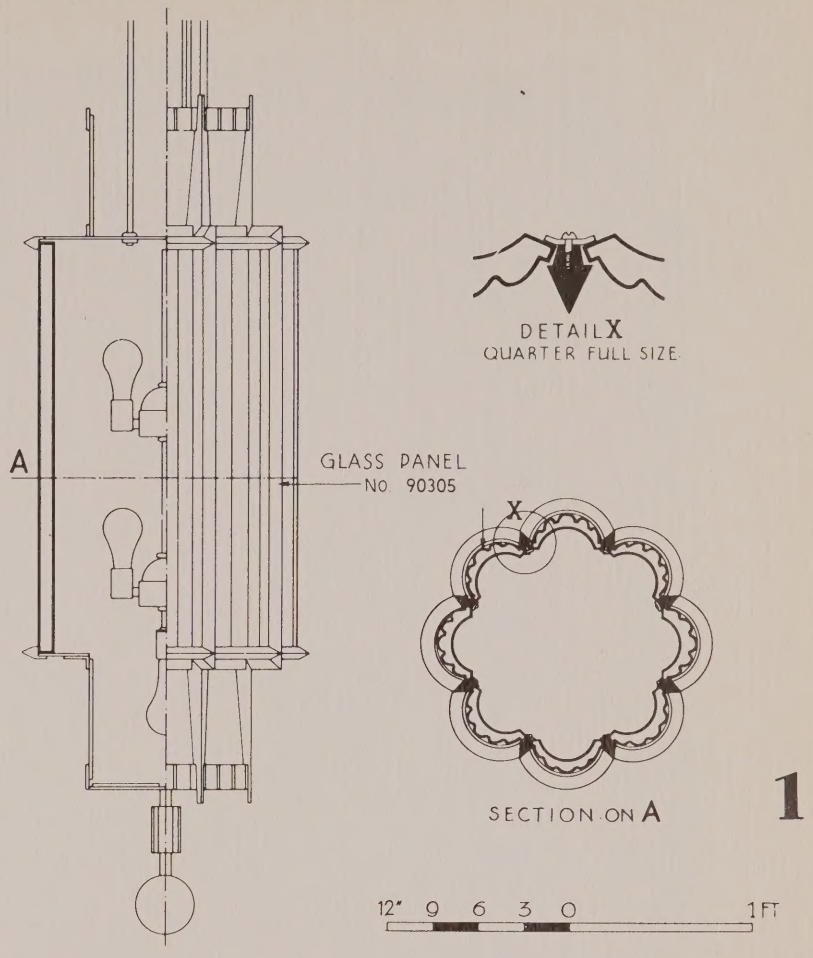
INSTALLATION SHEET No. 1

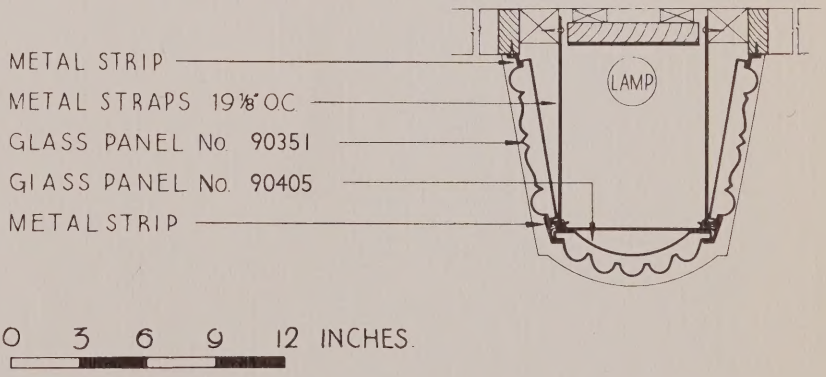
1. Free hanging lighting fixture in entrance lobby of Chrysler Building in New York City.

The glass panel No. 90305 used comes in lengths up to 30 inches. Solid vertical metal bars form the frame of the fixture, metal fitters screwed to these bars from the inside hold the panel in place.



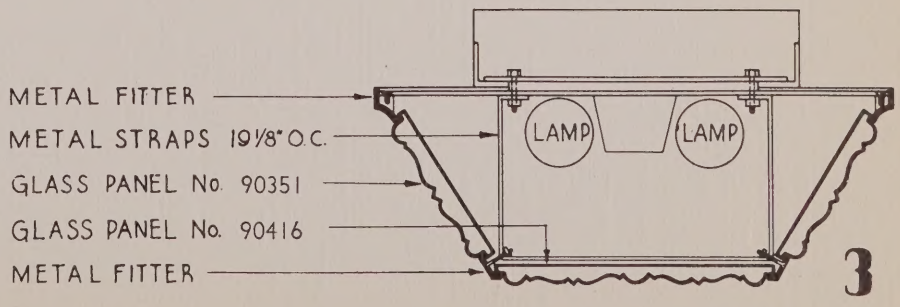
1

2. Various panels can be combined. This fixture uses panels No. 90351 and No. 90405. The lamps can be either of the incandescent or of the fluorescent type.



2

3. Installed in the Daily News Building in New York City. Decorative metal strips in intervals of every two panels provide ventilation. Two rows of lumiline lamps are installed, the new fluorescent lamp could be used.



3

MACBETH-EVANS DIVISION, CHARLEROI, PA.

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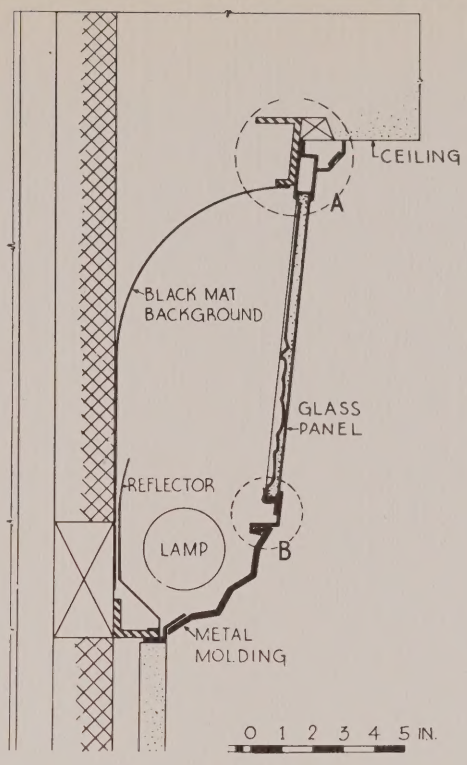
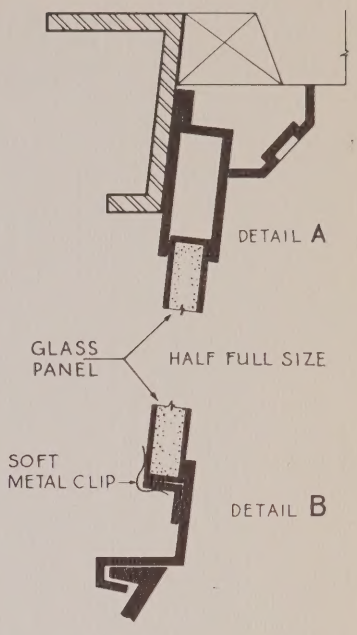
INSTALLATION SHEET No. 2

1. A method of mounting and lighting a frieze panel.

Flat glass panels of type represented by No. 90340 are held in place by metal mouldings. The light source is placed below the panel, the black background helps provide desirable contrasts.



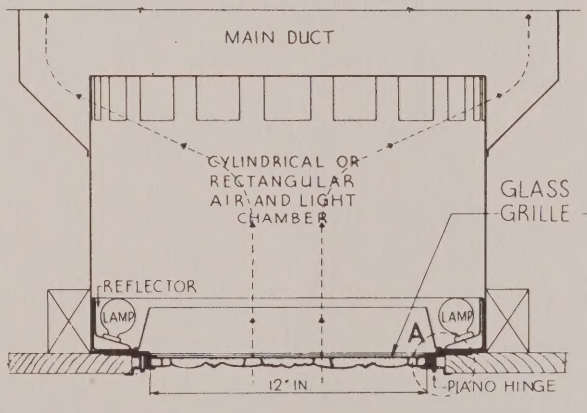


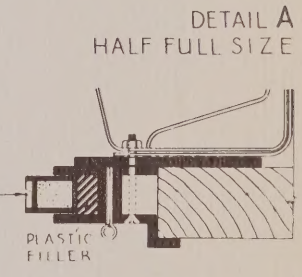
1

2. A method of combining lighting with the ventilation unit.

The light source and their reflectors should be kept out of reach of the circulating air, otherwise the accumulation of dust particles will rapidly decrease the efficiency of the unit.

From an efficiency standpoint the combination ventilation and lighting unit shown on page 1, example 3 is preferable.



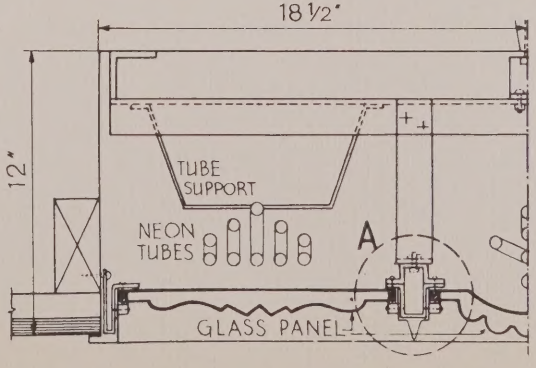


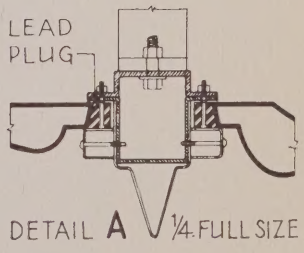
2

3. A method of mounting glass on the exterior of a building.

Glass panels Nos. 90362, 90363, 90364 and 90365 can be used. These panels are beveled on the upper and lower edges, to give a joint sloping upward to prevent water seepage. Each panel can be fastened to the metal frame by two lead plugs.

Neon or Zeon tubes are suggested as the light source. Incandescent or fluorescent lamps could be used.





3

MACBETH-EVANS DIVISION, CHARLEROI, PA.

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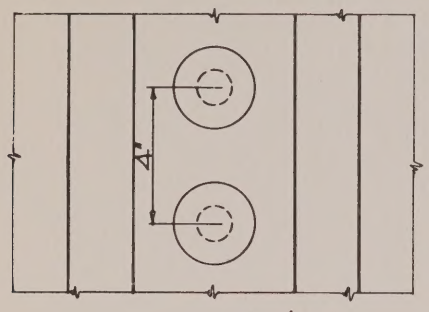
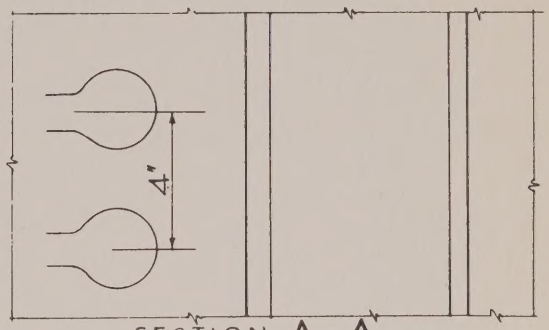
LIGHTING TECHNIQUE SHEET

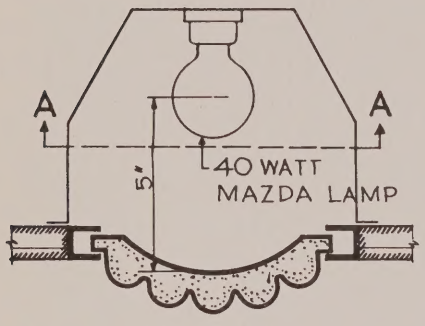
A wide range in types of decorative and lighting effects is possible by varying types, style, size and arrangement of the light source. Below are shown varying methods of lighting panel No. 90405.

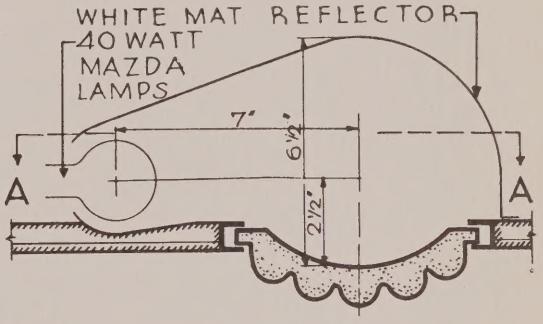


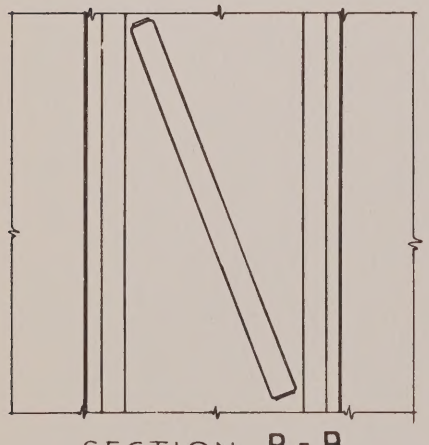
SECTION A-A



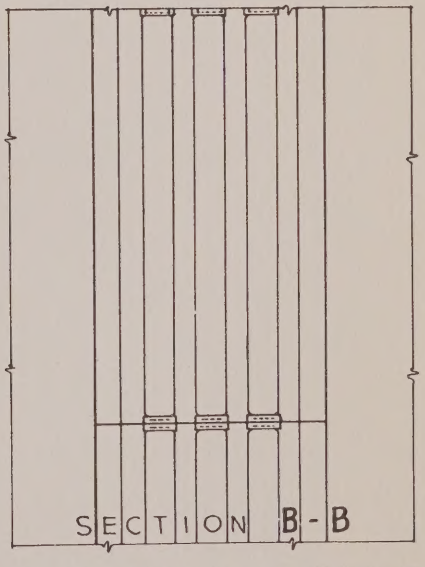
SECTION A - A



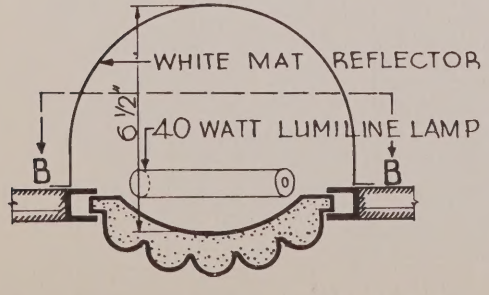




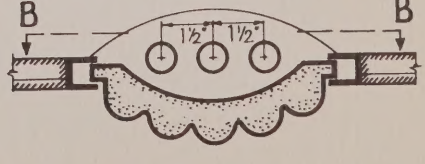
SECTION B - B



SECTION B - B



WHITE MAT REFLECTOR
60 WATT LUMILINE LAMPS



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